

Data File : VL035100.D
Acq On : 19 Jun 2020 18:27
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Jun 20 01:20:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1320073	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3041578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2869149	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2473576	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.14	85	22491	0.118	ppbv	96
3) Chlorodifluoromethane	2.94	51	14781	0.098	ppbv #	84
4) Chloromethane	3.09	50	8632	0.100	ppbv	97
5) Vinyl Chloride	3.21	62	4449	0.053	ppbv	94
6) Bromomethane	3.43	94	3296	0.065	ppbv #	31
7) Chloroethane	3.51	64	2101	0.070	ppbv #	39
8) Dichlorotetrafluoroethane	3.14	85	22491	0.116	ppbv	98
10) Heptane	8.12	43	5167	0.032	ppbv #	20
11) Trichlorofluoromethane	3.91	101	10941	0.057	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	14448	0.105	ppbv	98
13) Ethanol	3.57	45	805	0.038	ppbv #	39
14) Bromoethene	3.70	108	2550	0.045	ppbv #	1
15) Acetone	3.83	43	27225	0.156	ppbv #	48
16) 1,3-Butadiene	3.28	39	4075	0.054	ppbv #	7
17) tert-Butyl alcohol	4.28	59	7093	0.046	ppbv #	72
18) 1,1-Dichloroethene	4.25	96	2671	0.045	ppbv	95
20) Methylene Chloride	4.31	84	9358	0.162	ppbv #	67
21) Allyl Chloride	4.38	41	4459	0.045	ppbv #	1
22) trans-1,2-Dichloroethene	4.86	96	3945	0.068	ppbv	92
24) 1,1-Dichloroethane	4.99	63	18008	0.106	ppbv #	94
25) Ethyl Acetate	5.67	43	31899	0.109	ppbv #	98
26) Hexane	5.66	57	7039	0.055	ppbv #	1
27) Carbon Disulfide	4.52	76	11155	0.075	ppbv #	90
28) Methyl tert-Butyl Ether	5.02	73	10964	0.057	ppbv #	52
29) Chloroform	5.73	83	24423	0.117	ppbv	84
31) cis-1,2-Dichloroethene	5.53	61	9095	0.073	ppbv #	86
32) 1,1,1-Trichloroethane	6.50	97	10930	0.058	ppbv #	22
35) Carbon Tetrachloride	7.01	117	10025	0.052	ppbv #	89
37) 1,2-Dichloroethane	6.29	62	10049	0.065	ppbv #	87
38) Trichloroethene	7.83	130	4964	0.051	ppbv #	63
39) 1,2-Dichloropropane	7.17	63	843789	8.414	ppbv #	25
44) 2,2,4-Trimethylpentane	7.86	57	13455	0.030	ppbv #	42
47) 1,1,2-Trichloroethane	9.48	97	4458	0.042	ppbv #	55
52) Tetrachloroethene	11.23	164	3548	0.040	ppbv #	34
54) 1,2-Dibromoethane	10.62	107	4991	0.032	ppbv	85
63) 1,1,2,2-Tetrachloroethane	13.70	83	7652	0.032	ppbv #	1
72) 4-Ethyltoluene	15.87	105	11322	0.033	ppbv #	69
75) 1,3-Dichlorobenzene	17.03	146	12596	0.059	ppbv #	1
80) Naphthalene,2-methyl-	25.02	142	4280	0.061	ppbv #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061920\
Quantitation Report (Not Reviewed)

Data File : VL035100.D
Acq On : 19 Jun 2020 18:27
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jun 20 01:20:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

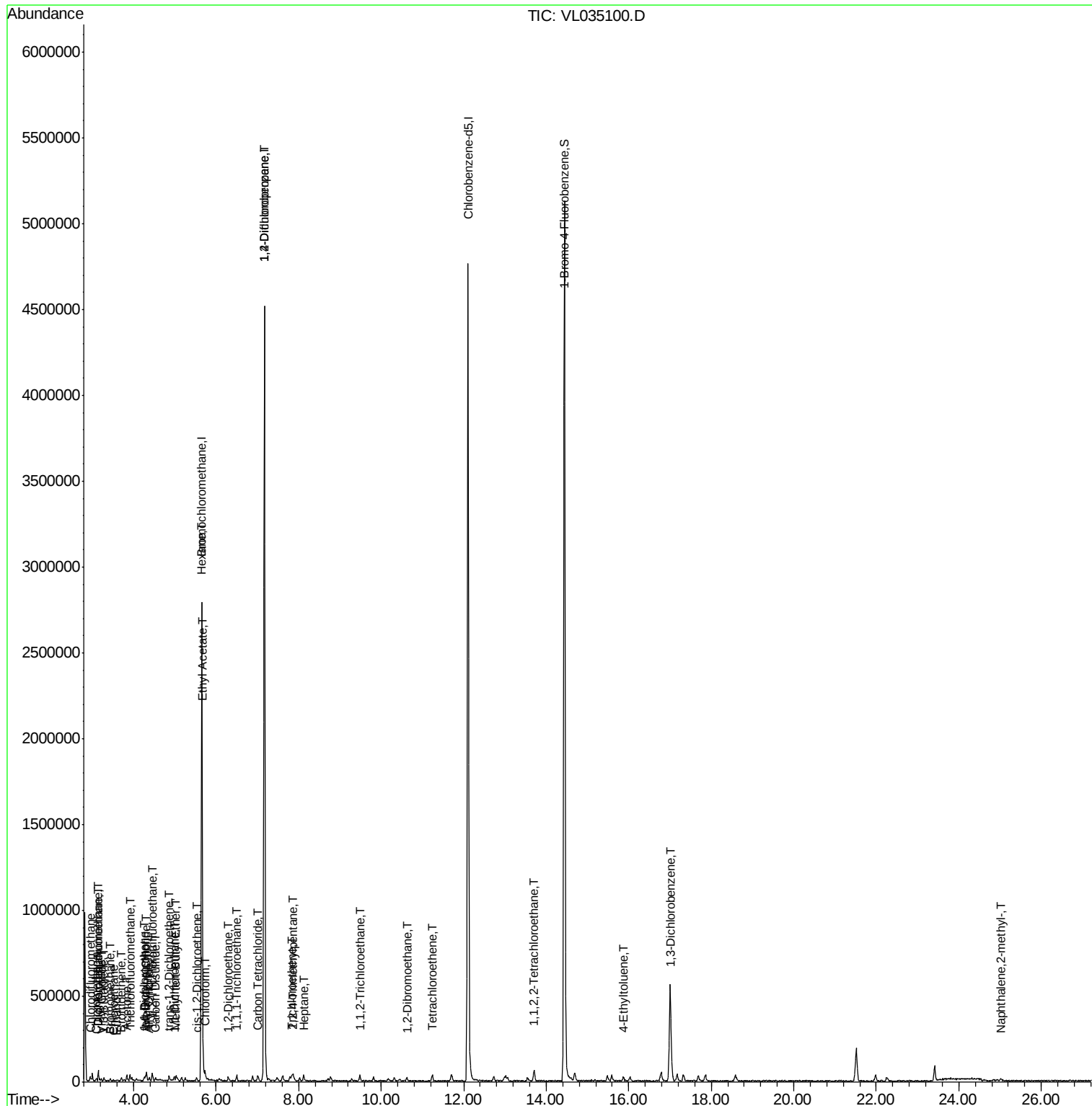
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

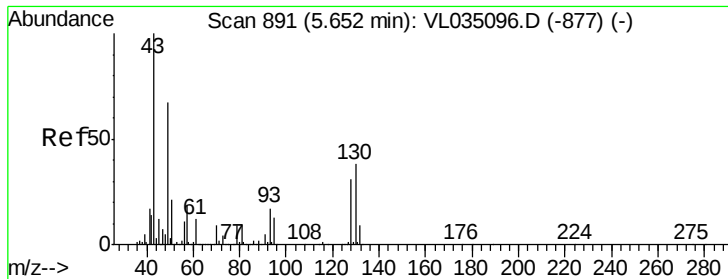
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data File : VL035100.D
Acq On : 19 Jun 2020 18:27
Operator : SY/AP
Sample : VSTDICCO.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.1

Quant Time: Jun 20 01:20:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

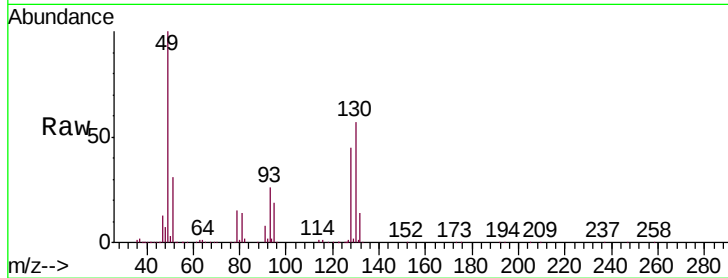
Tgt Ion: 49 Resp: 1320073

Ion Ratio Lower Upper

49 100

128 46.9 22.9 68.5

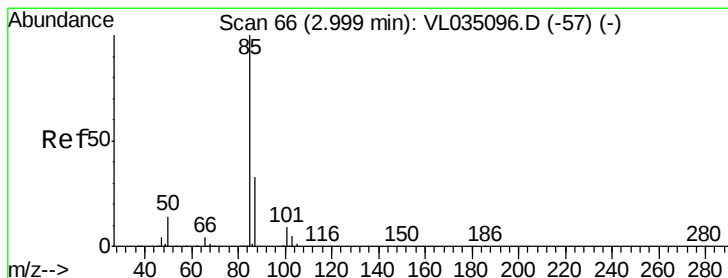
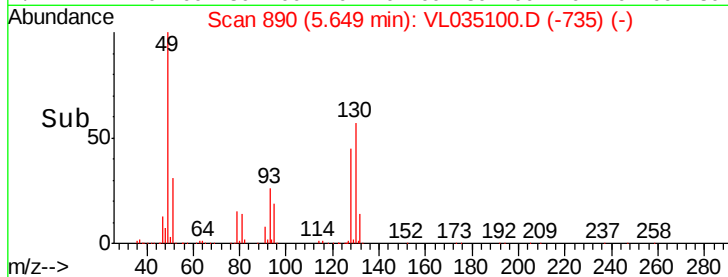
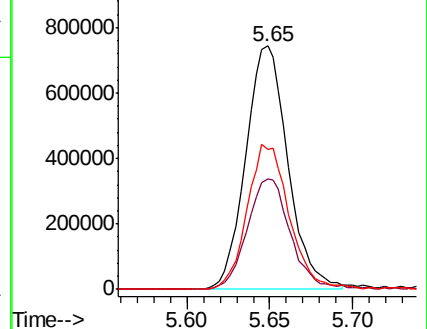
130 60.0 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.14 min

Lab File: VL035100.D

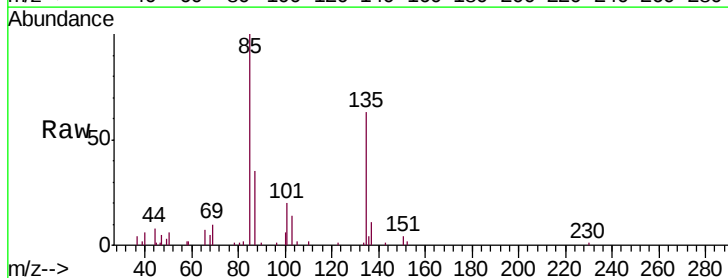
Acq: 19 Jun 2020 18:27

Tgt Ion: 85 Resp: 22491

Ion Ratio Lower Upper

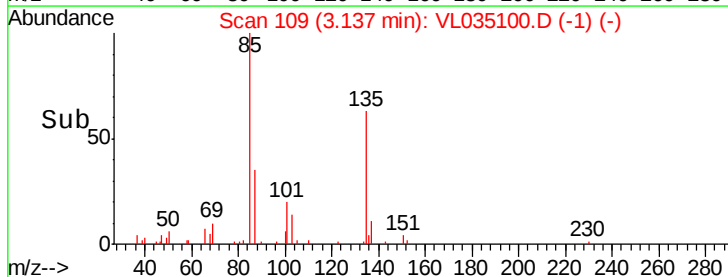
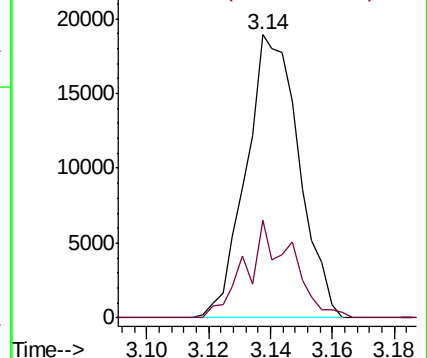
85 100

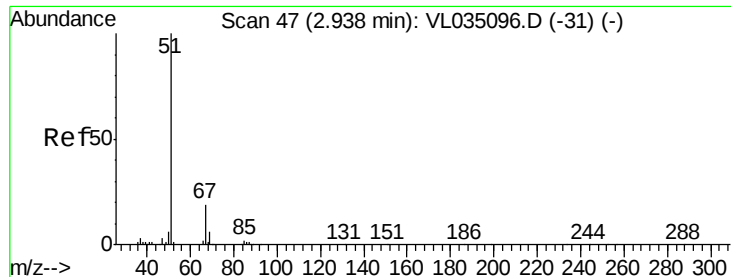
87 34.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.098 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

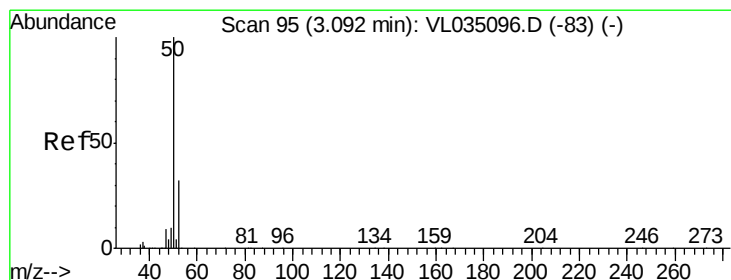
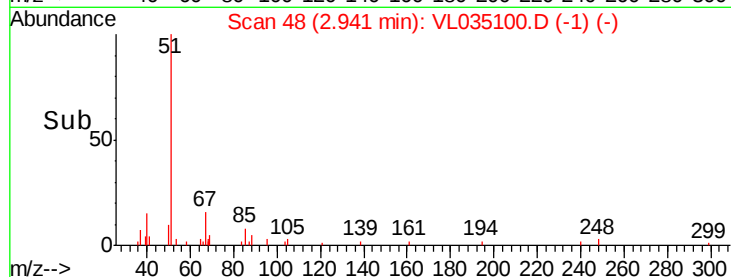
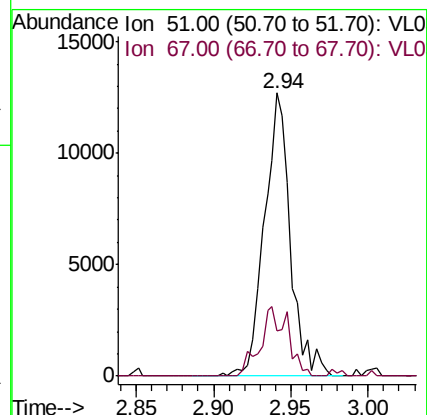
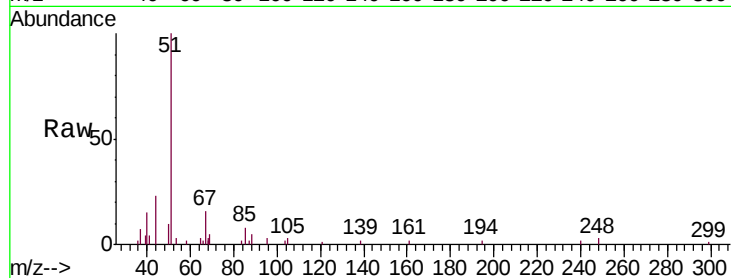
VSTDIC0.1

Tgt Ion: 51 Resp: 14781

Ion Ratio Lower Upper

51 100

67 26.1 15.2 22.8#



#4

Chloromethane

Concen: 0.100 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035100.D

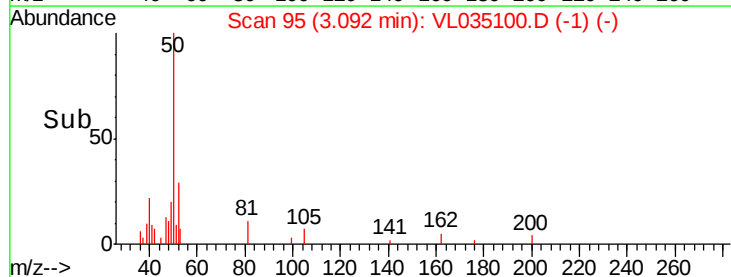
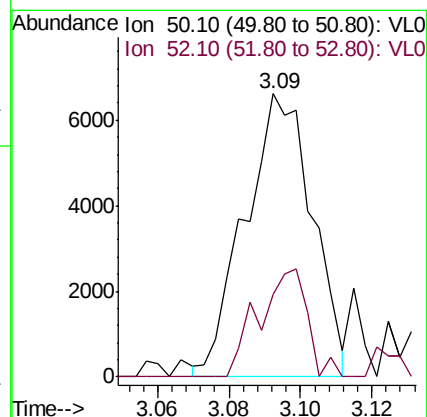
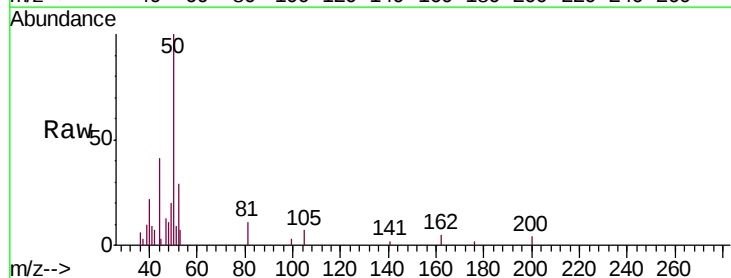
Acq: 19 Jun 2020 18:27

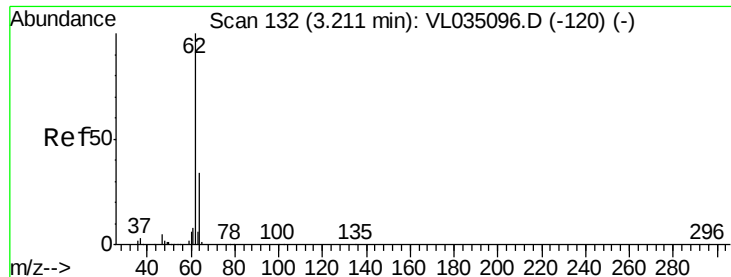
Tgt Ion: 50 Resp: 8632

Ion Ratio Lower Upper

50 100

52 30.1 25.4 38.0





#5

Vinyl Chloride

Concen: 0.053 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

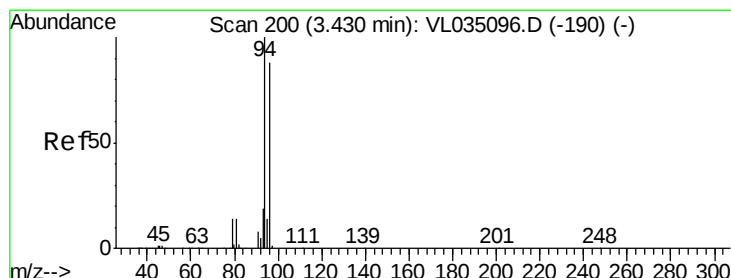
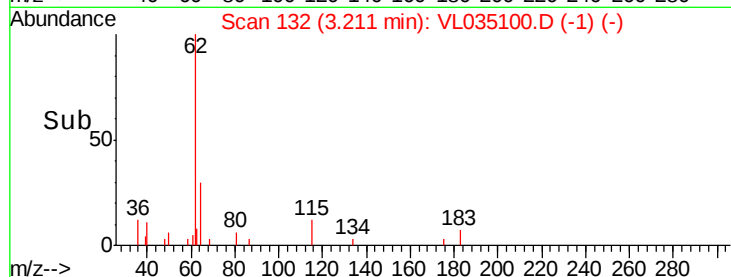
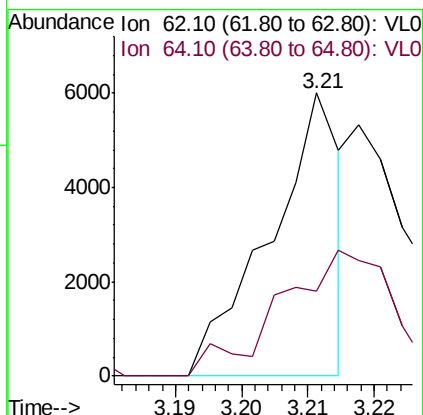
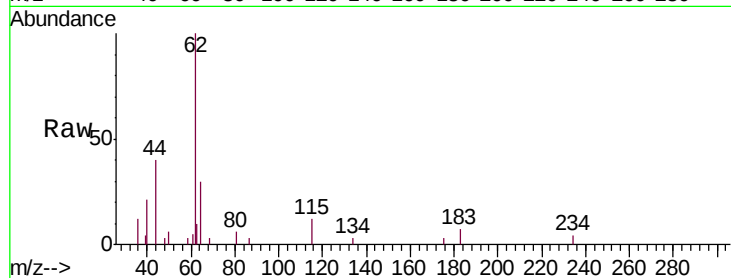
VSTDIC0.1

Tgt Ion: 62 Resp: 4449

Ion Ratio Lower Upper

62 100

64 30.2 27.0 40.4



#6

Bromomethane

Concen: 0.065 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035100.D

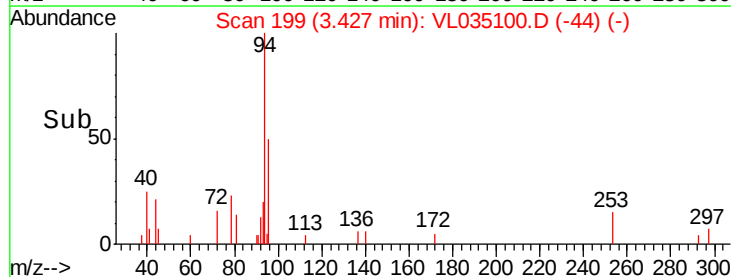
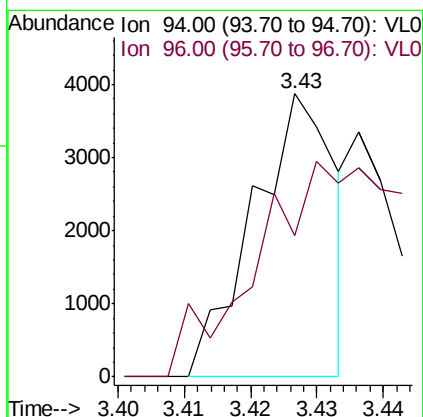
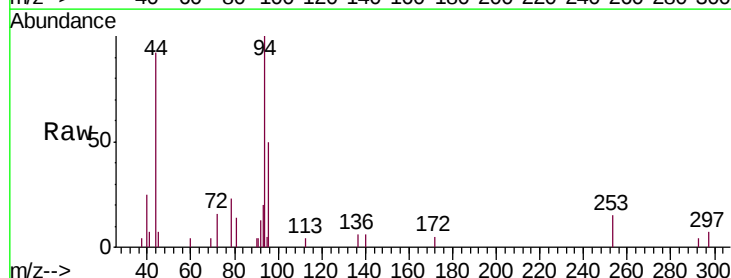
Acq: 19 Jun 2020 18:27

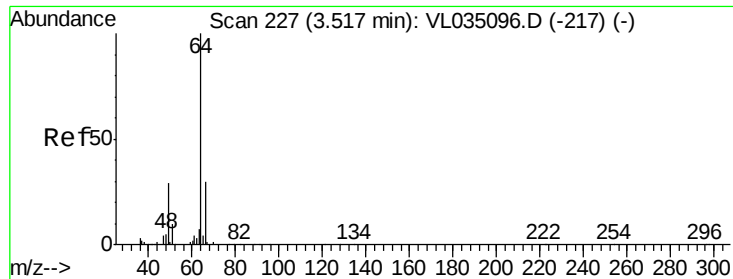
Tgt Ion: 94 Resp: 3296

Ion Ratio Lower Upper

94 100

96 24.0 70.2 105.2#





#7

Chloroethane

Concen: 0.070 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

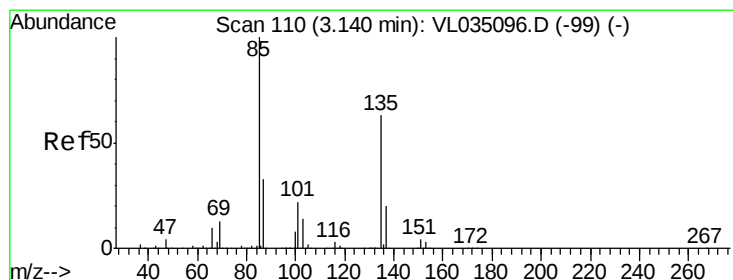
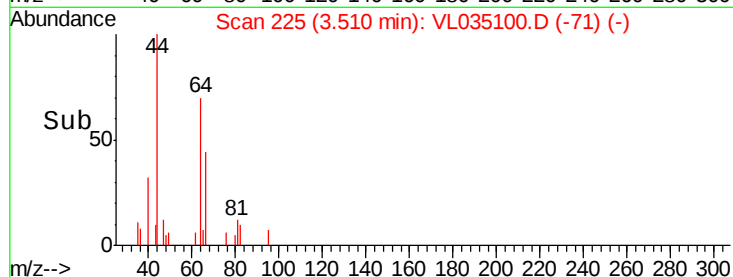
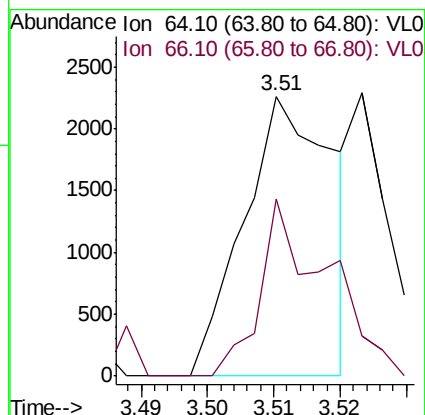
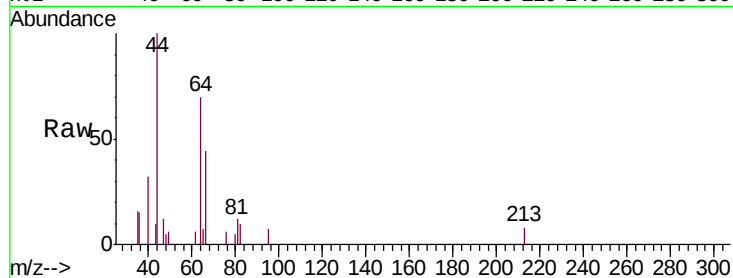
VSTDIC0.1

Tgt Ion: 64 Resp: 2101

Ion Ratio Lower Upper

64 100

66 63.3 24.2 36.4#



#8

Dichlorotetrafluoroethane

Concen: 0.116 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035100.D

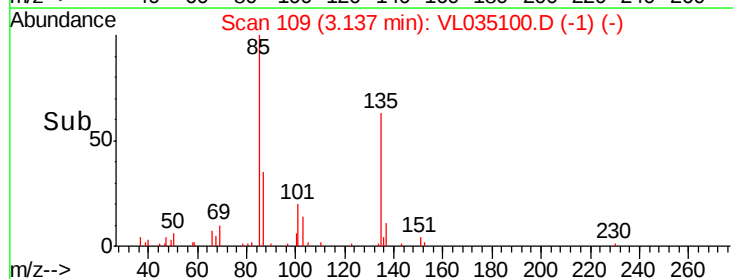
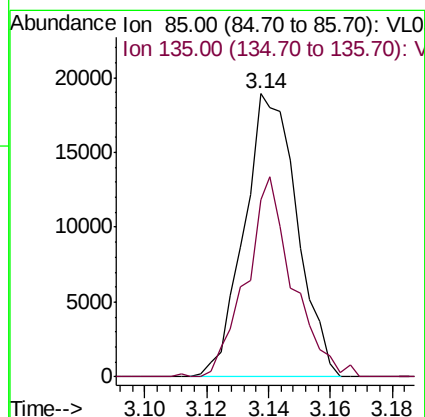
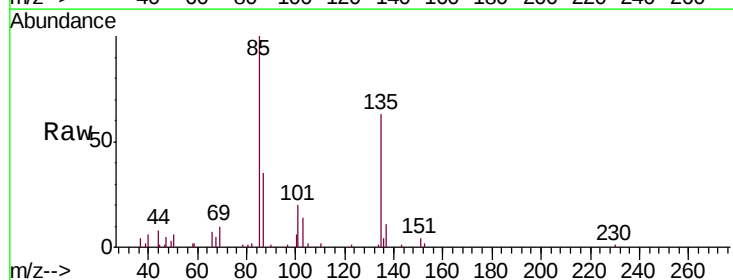
Acq: 19 Jun 2020 18:27

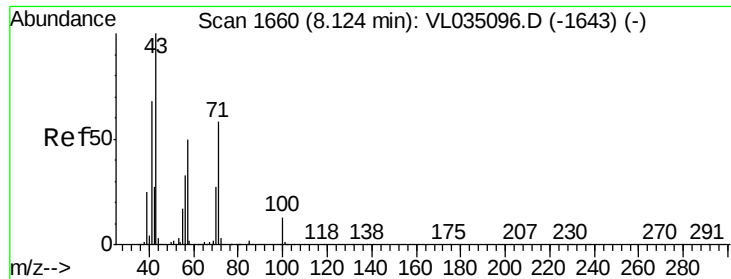
Tgt Ion: 85 Resp: 22491

Ion Ratio Lower Upper

85 100

135 62.4 51.0 76.6





#10

Heptane

Concen: 0.032 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

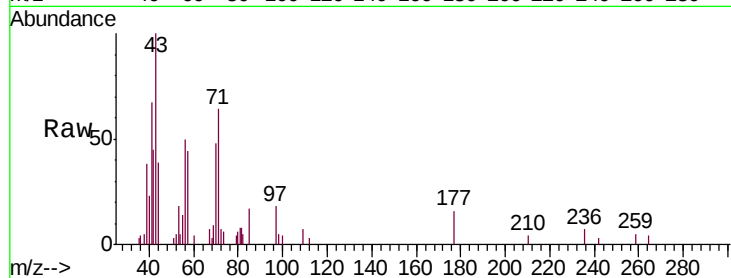
VSTDIC0.1

Tgt Ion: 43 Resp: 5167

Ion Ratio Lower Upper

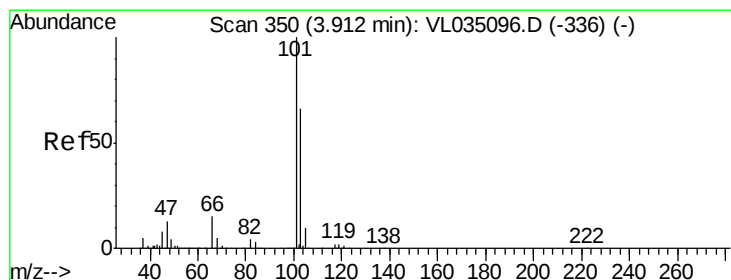
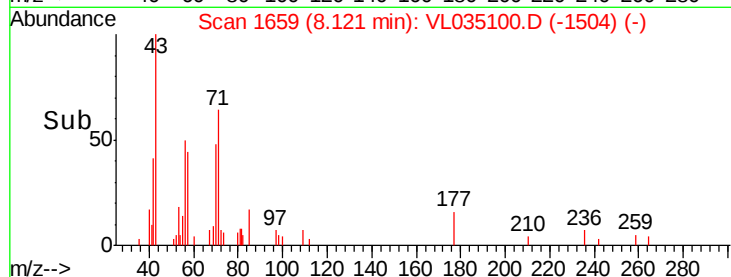
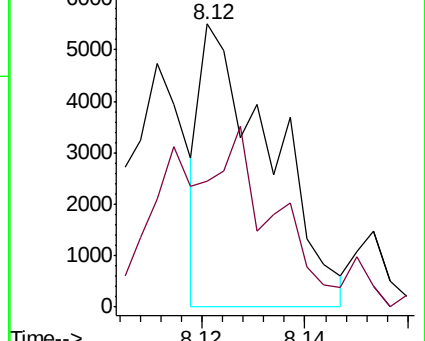
43 100

57 108.9 41.9 62.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.057 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.00 min

Lab File: VL035100.D

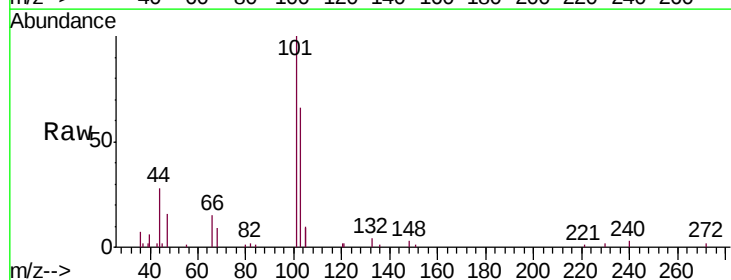
Acq: 19 Jun 2020 18:27

Tgt Ion: 101 Resp: 10941

Ion Ratio Lower Upper

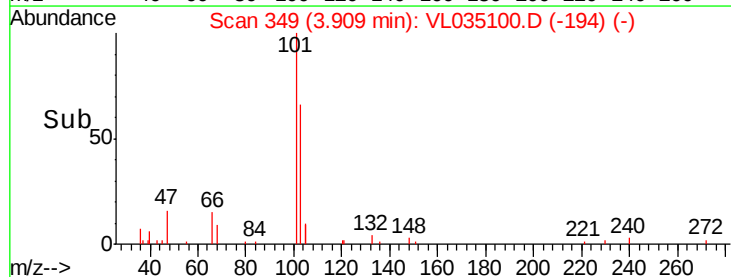
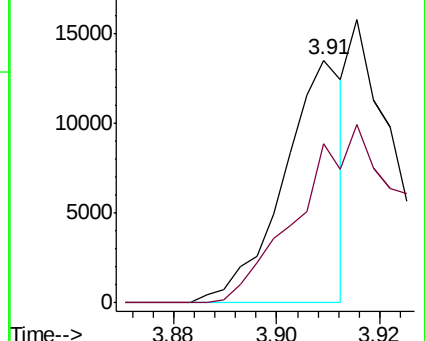
101 100

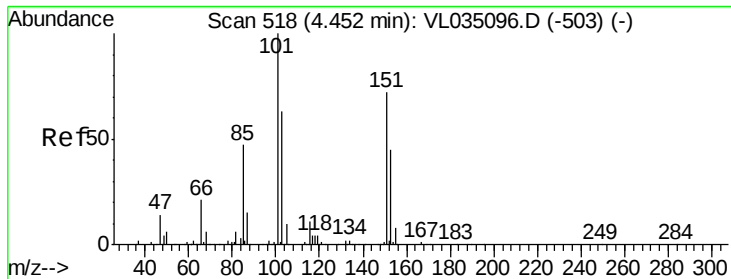
103 65.9 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.105 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

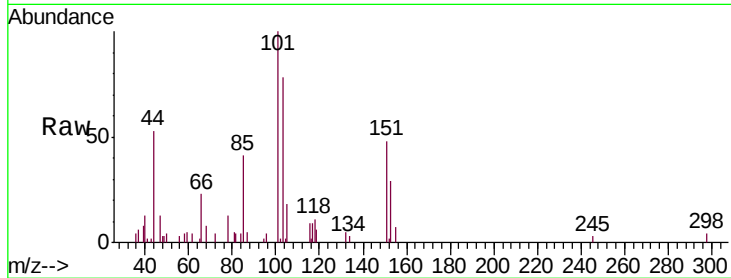
VSTDIC0.1

Tgt Ion:101 Resp: 14448

Ion Ratio Lower Upper

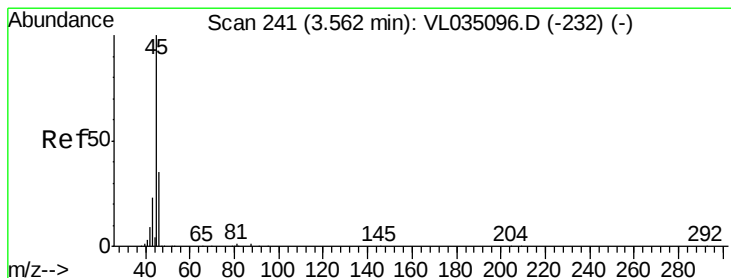
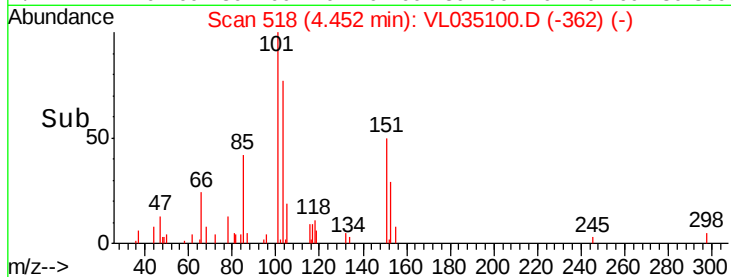
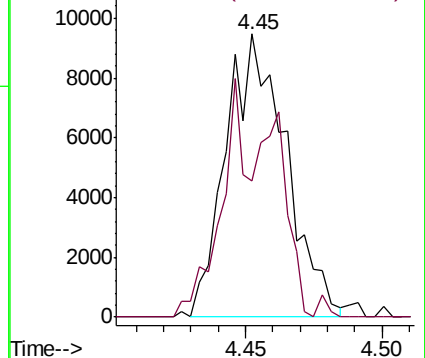
101 100

151 72.3 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 0.038 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035100.D

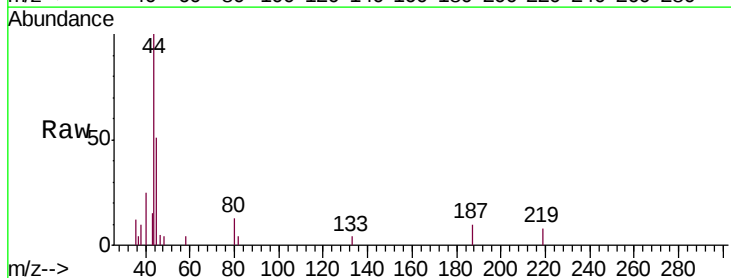
Acq: 19 Jun 2020 18:27

Tgt Ion: 45 Resp: 805

Ion Ratio Lower Upper

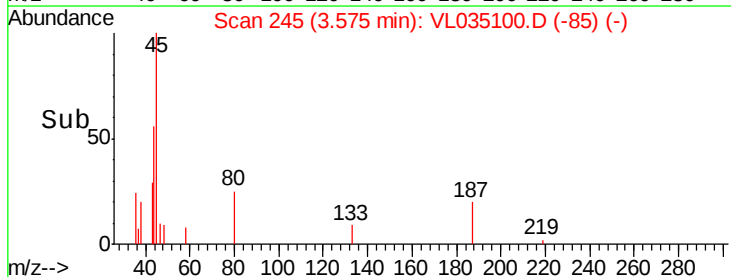
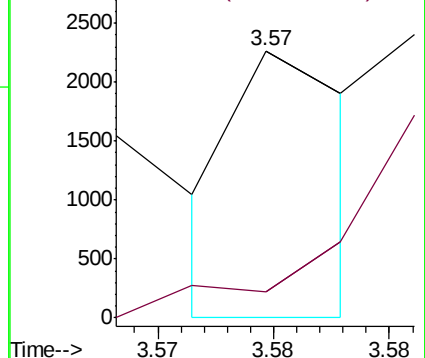
45 100

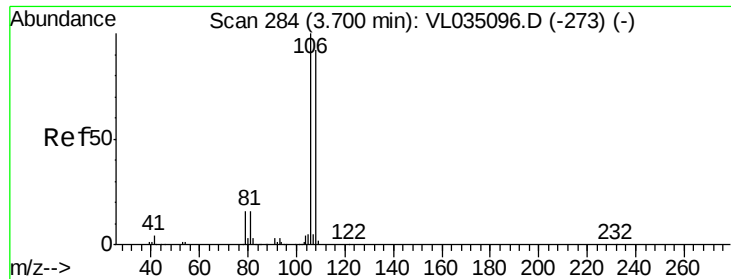
46 0.0 14.2 57.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#14

Bromoethene

Concen: 0.045 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.00 min

Lab File: VL035100.D

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MSVOA_L

ClientSampleId :

VSTDIC0.1

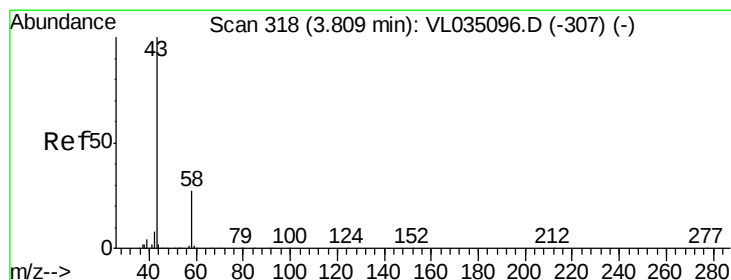
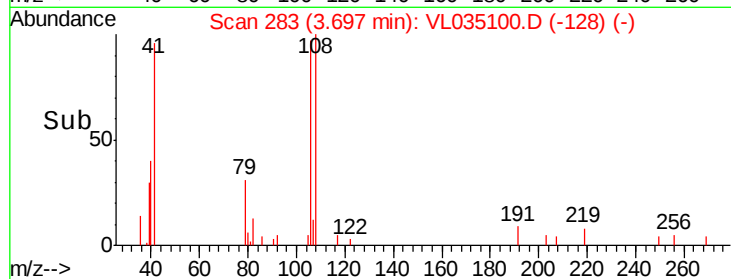
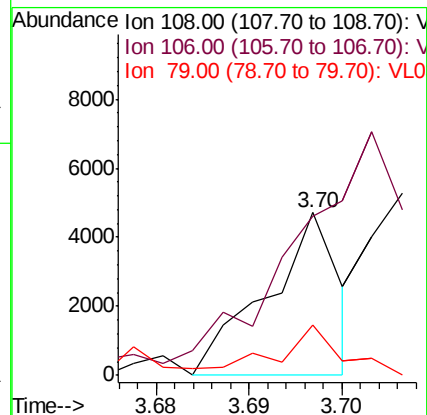
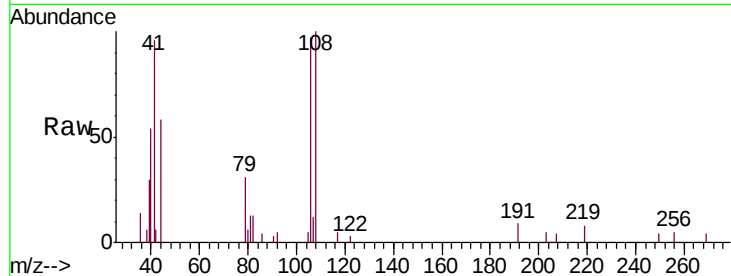
Tgt Ion: 108 Resp: 2550

Ion Ratio Lower Upper

108 100

106 0.0 84.4 126.6#

79 54.1 14.2 21.2#



#15

Acetone

Concen: 0.156 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.02 min

Lab File: VL035100.D

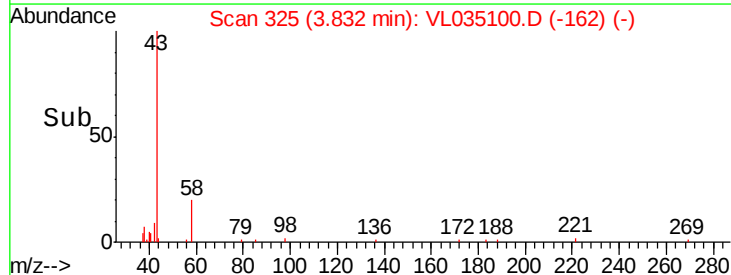
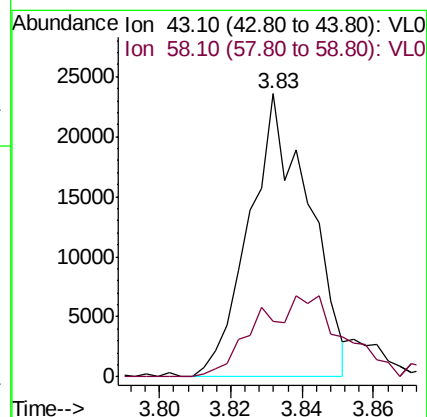
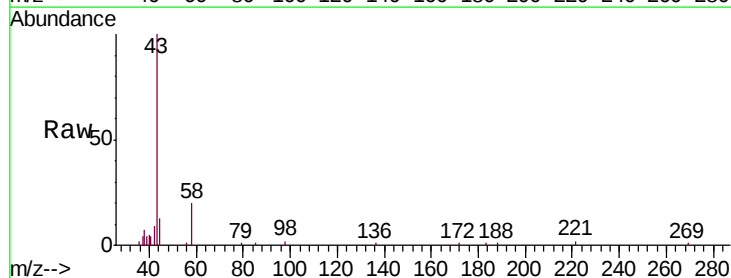
Acq: 19 Jun 2020 18:27

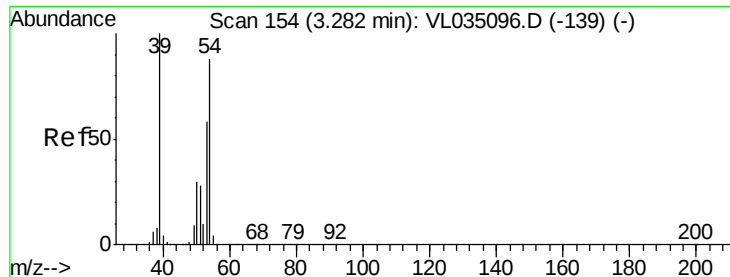
Tgt Ion: 43 Resp: 27225

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#

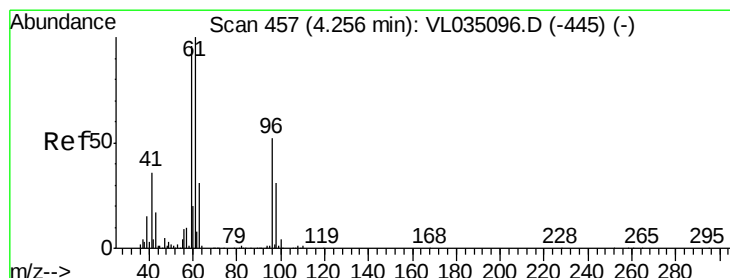
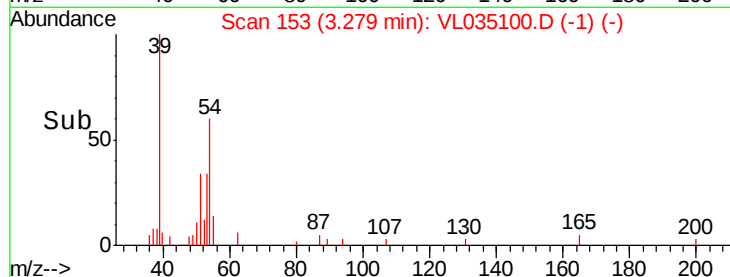
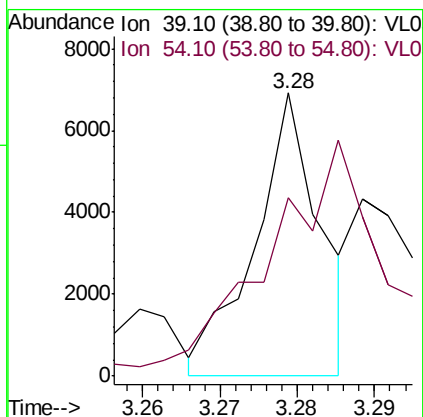
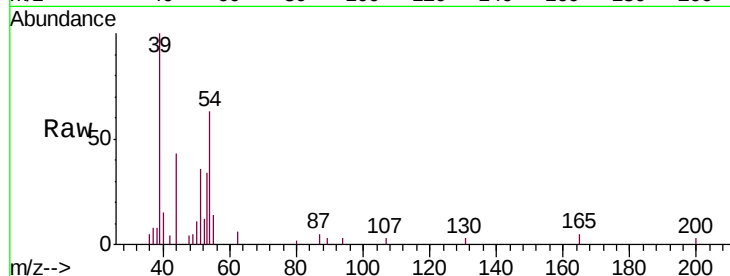




#16
1,3-Butadiene
Concen: 0.054 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.00 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

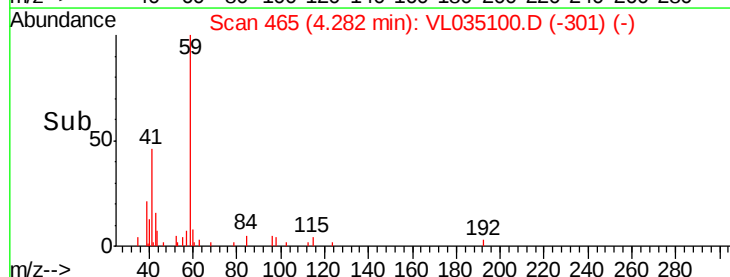
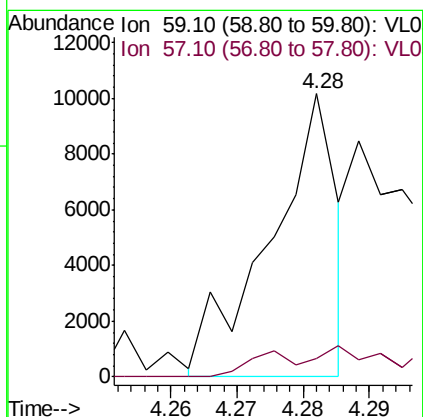
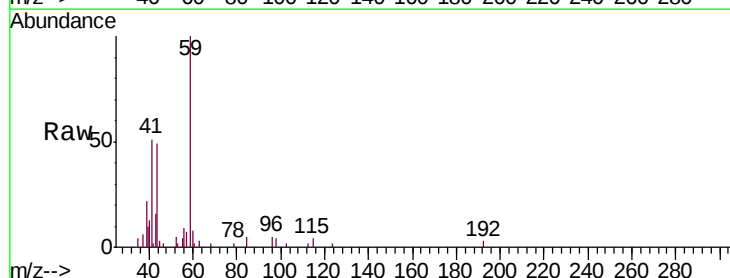
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

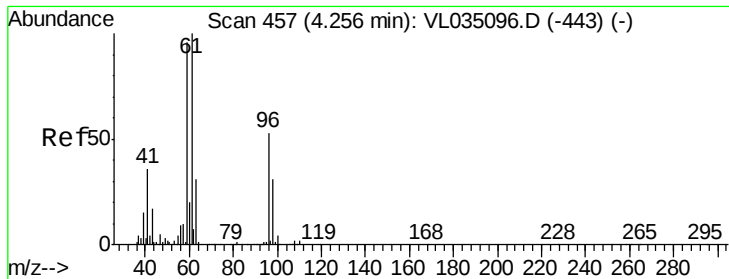
Tgt Ion: 39 Resp: 4075
Ion Ratio Lower Upper
39 100
54 0.0 67.0 100.4#



#17
tert-Butyl alcohol
Concen: 0.046 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.03 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

Tgt Ion: 59 Resp: 7093
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

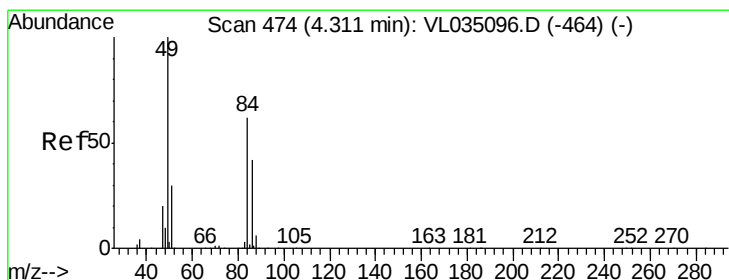
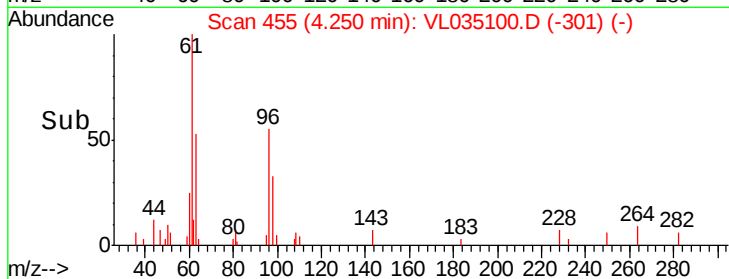
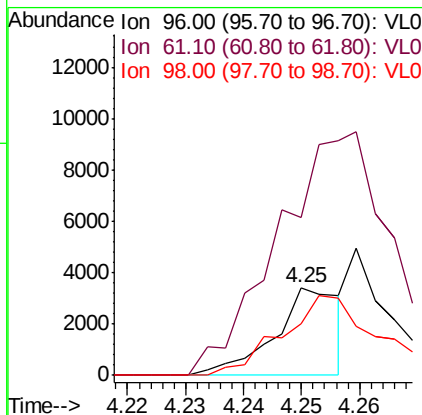
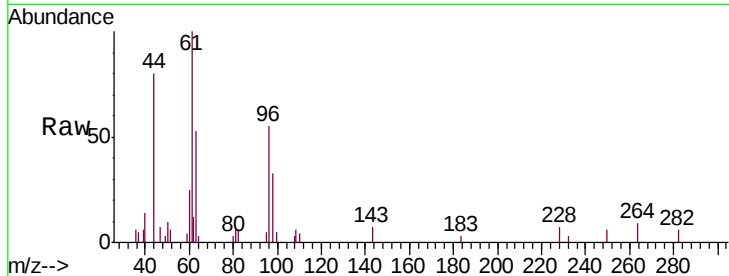




#18
 1,1-Dichloroethene
 Concen: 0.045 ppbv
 RT: 4.25 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

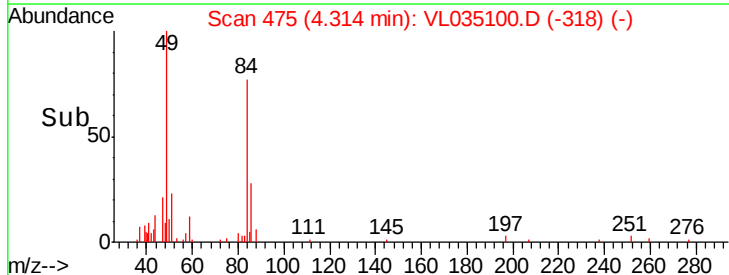
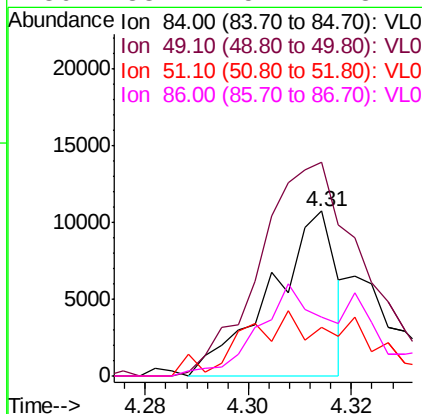
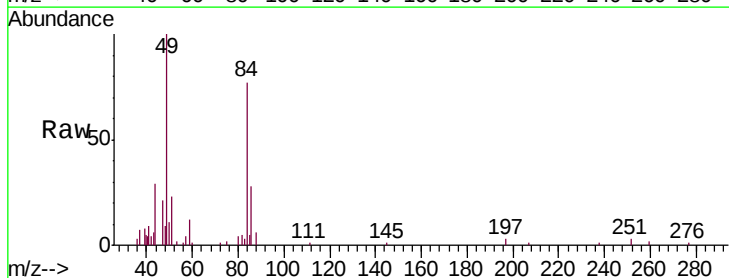
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

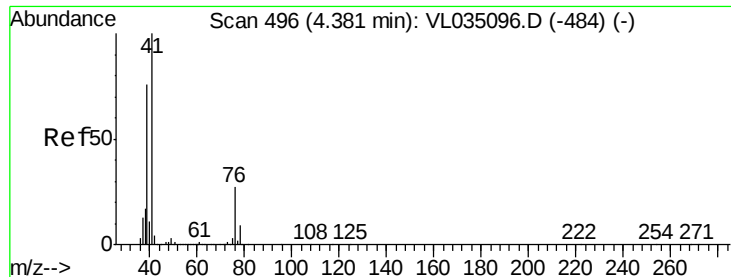
Tgt Ion: 96 Resp: 2671
 Ion Ratio Lower Upper
 96 100
 61 180.2 152.2 228.4
 98 59.4 47.7 71.5



#20
 Methylene Chloride
 Concen: 0.162 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion: 84 Resp: 9358
 Ion Ratio Lower Upper
 84 100
 49 127.4 128.8 193.2#
 51 16.3 38.7 58.1#
 86 33.1 54.1 81.1#

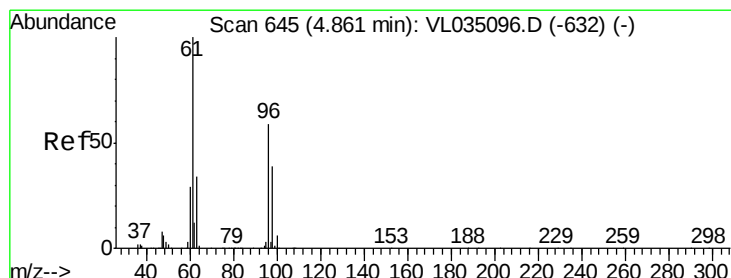
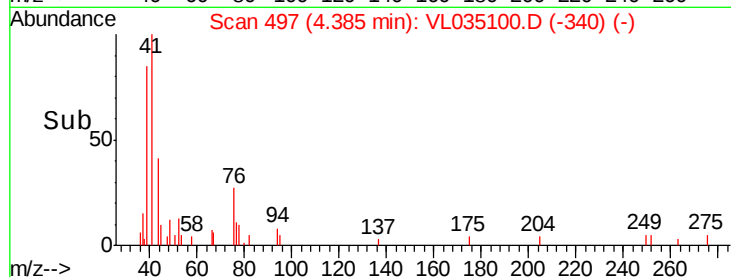
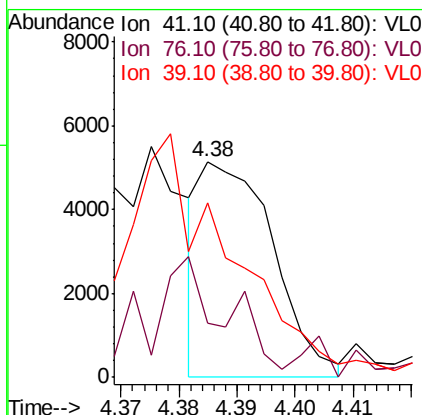
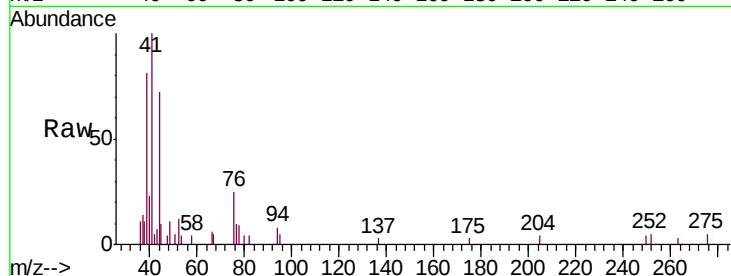




#21
 Allyl Chloride
 Concen: 0.045 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

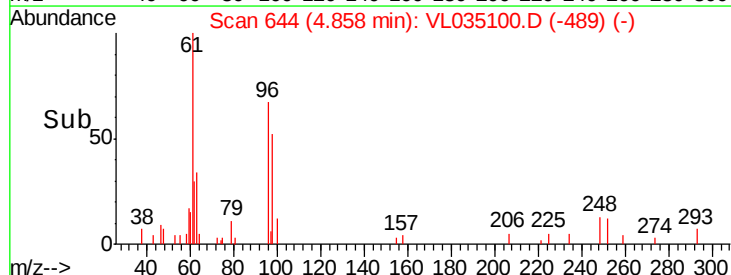
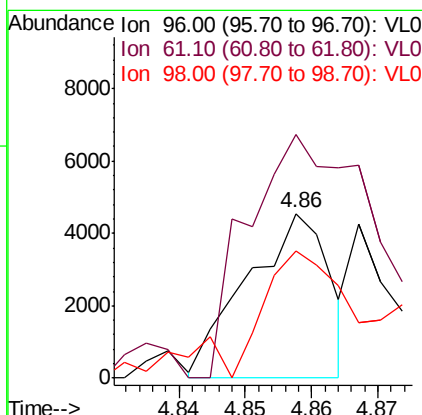
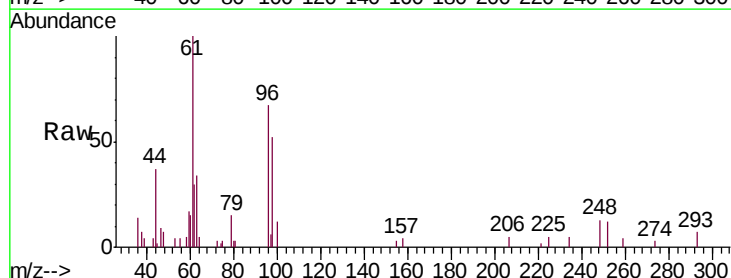
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

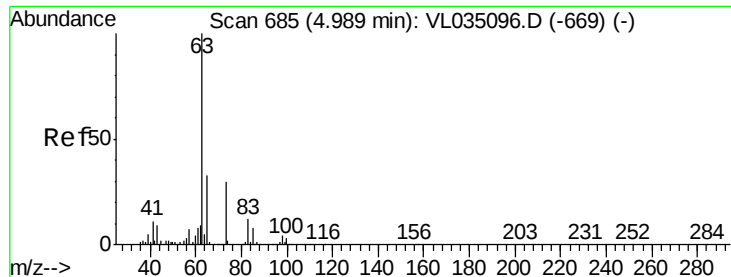
Tgt Ion: 41 Resp: 4459
 Ion Ratio Lower Upper
 41 100
 76 74.6 22.6 34.0#
 39 190.9 61.6 92.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.068 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion: 96 Resp: 3945
 Ion Ratio Lower Upper
 96 100
 61 153.9 134.5 201.7
 98 67.7 52.6 79.0





#24

1,1-Dichloroethane

Concen: 0.106 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

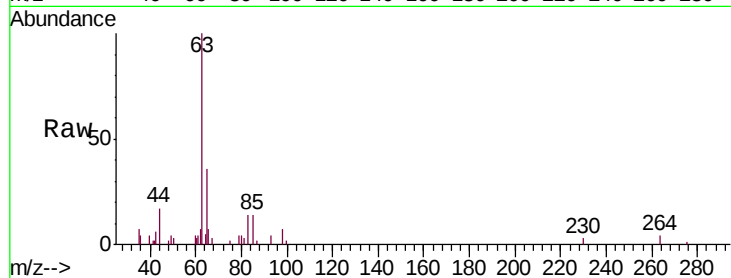
Tgt Ion: 63 Resp: 18008

Ion Ratio Lower Upper

63 100

98 7.3 2.3 6.9#

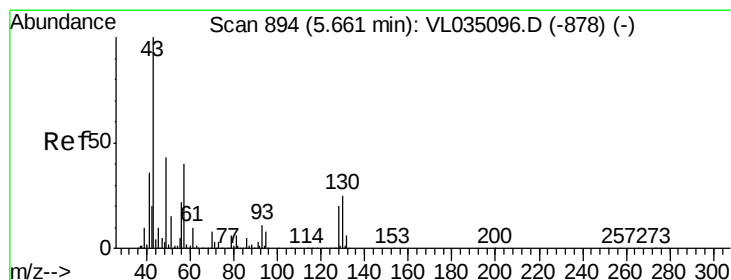
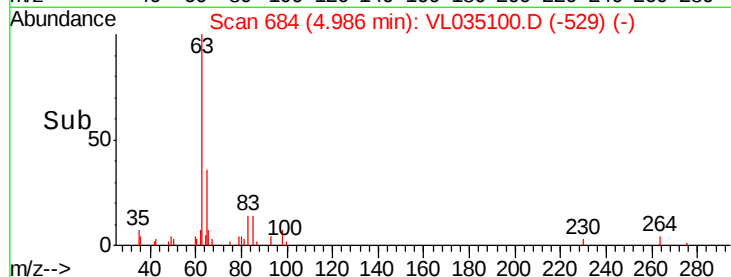
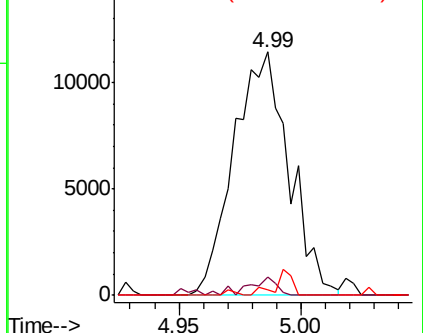
100 2.2 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.109 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Tgt Ion: 43 Resp: 31899

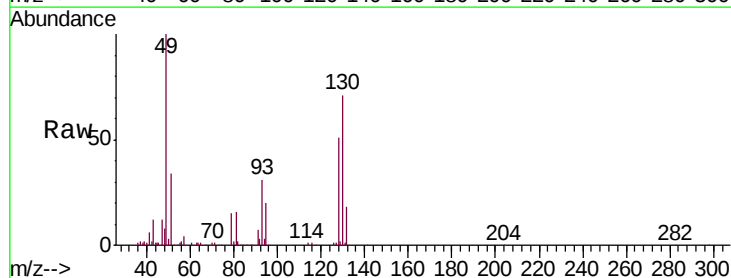
Ion Ratio Lower Upper

43 100

45 10.1 8.4 12.6

61 10.3 8.0 12.0

70 9.9 6.3 9.5#

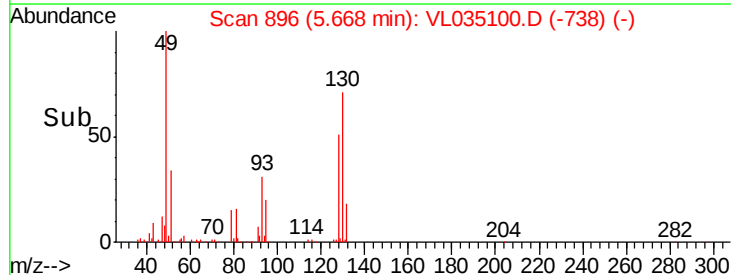
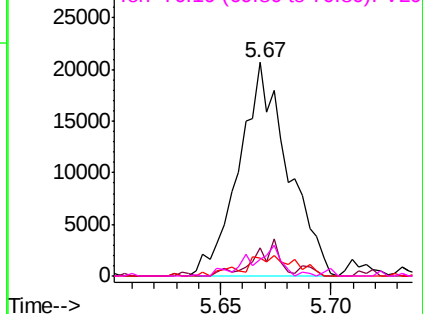


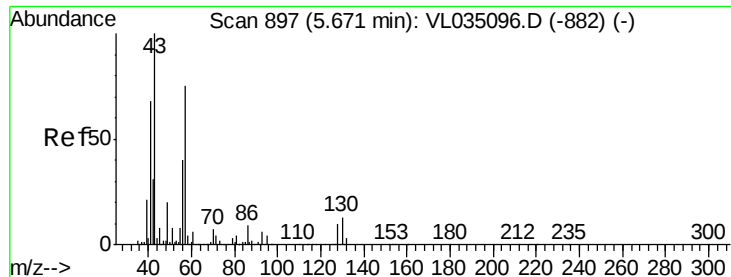
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

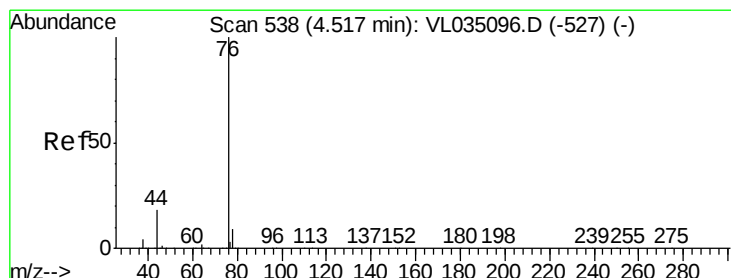
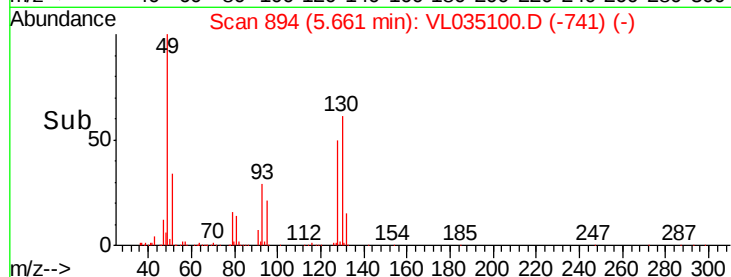
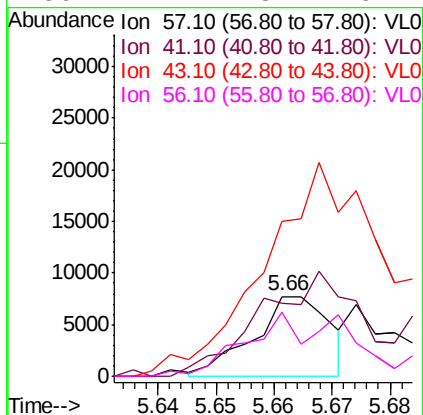
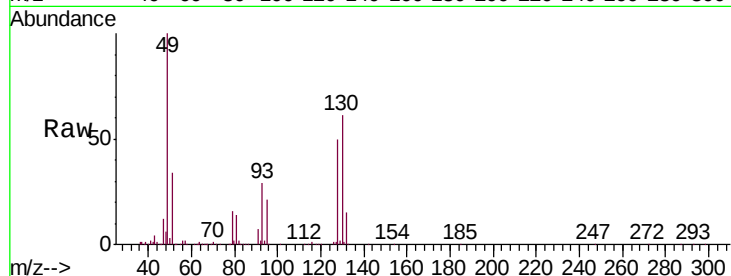




#26
Hexane
Concen: 0.055 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

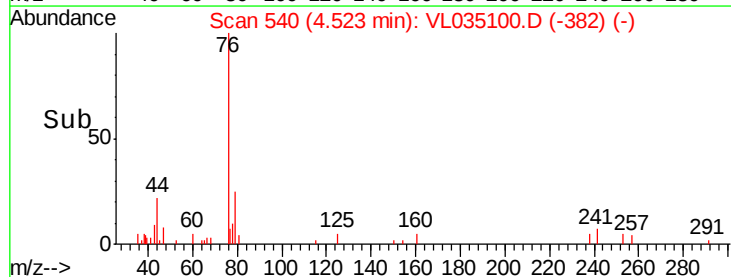
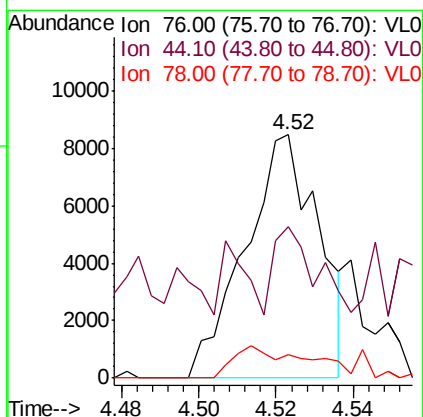
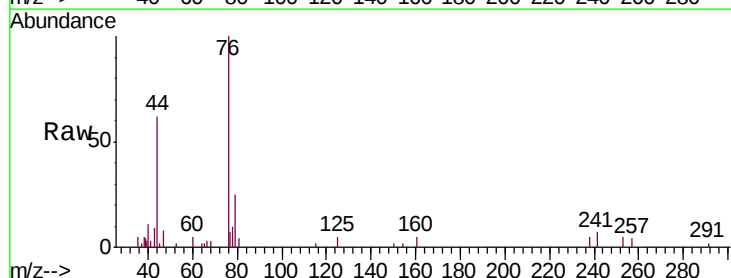
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

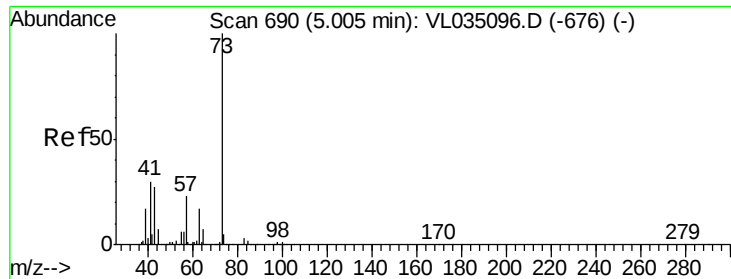
Tgt Ion	Ratio	Lower	Upper
57	100		
41	209.4	72.9	109.3#
43	477.6	181.3	271.9#
56	114.4	43.1	64.7#



#27
Carbon Disulfide
Concen: 0.075 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.01 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

Tgt Ion	Ratio	Lower	Upper
76	100		
44	16.5	15.8	23.8
78	15.3	7.6	11.4#

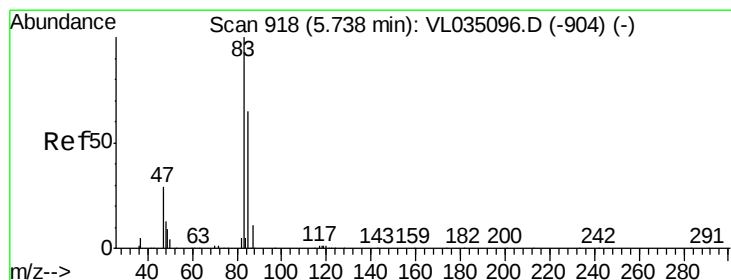
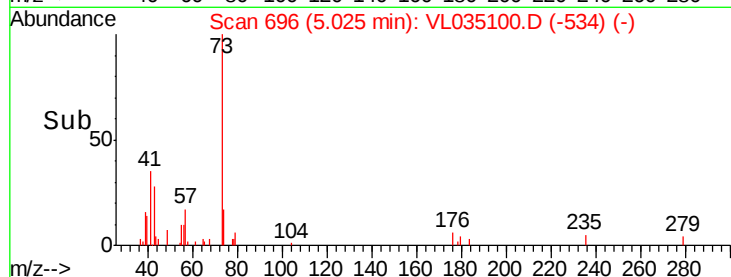
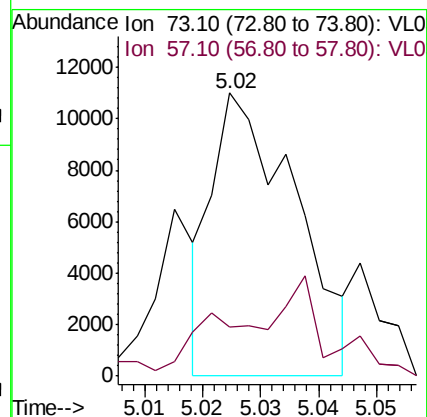
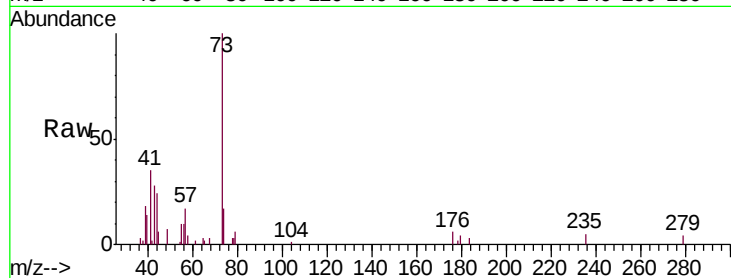




#28
Methyl tert-Butyl Ether
Concen: 0.057 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.02 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

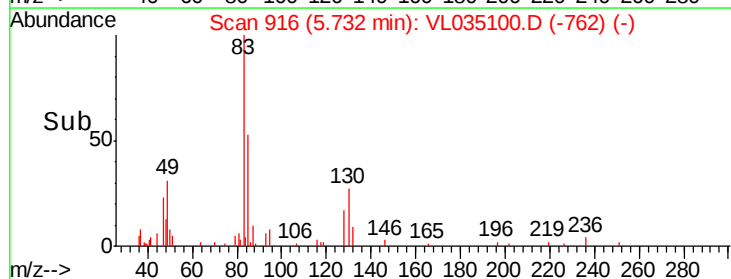
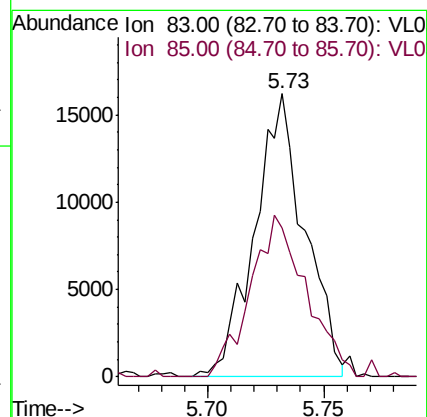
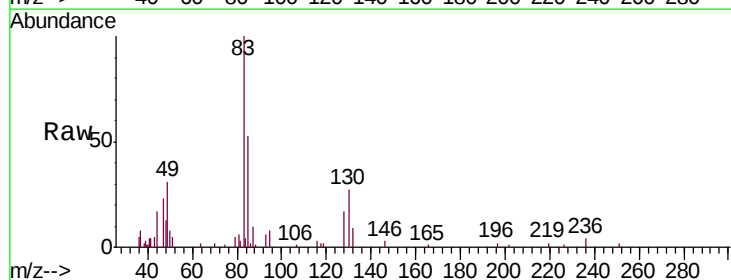
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

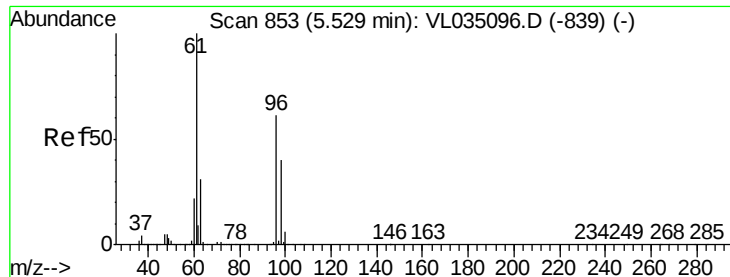
Tgt Ion: 73 Resp: 10964
Ion Ratio Lower Upper
73 100
57 0.0 18.5 27.7#



#29
Chloroform
Concen: 0.117 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035100.D
Acq: 19 Jun 2020 18:27

Tgt Ion: 83 Resp: 24423
Ion Ratio Lower Upper
83 100
85 52.6 52.1 78.1



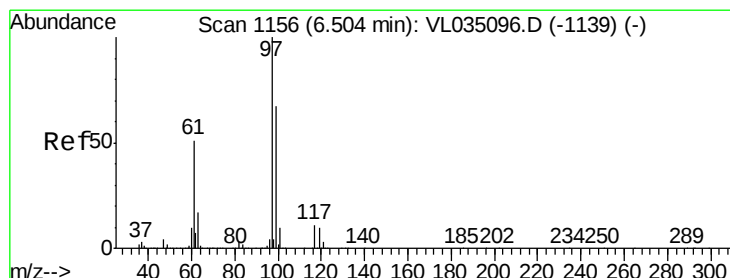
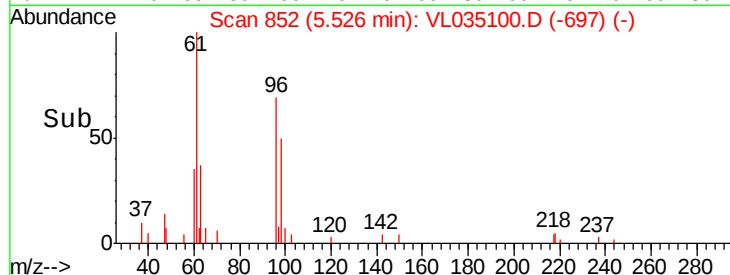
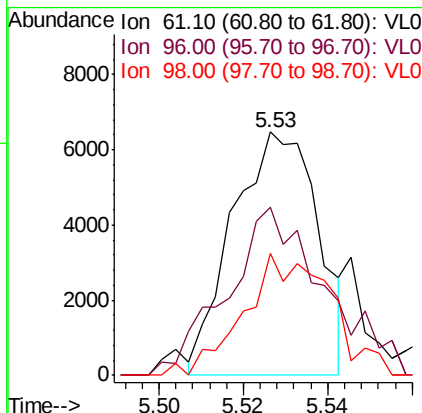
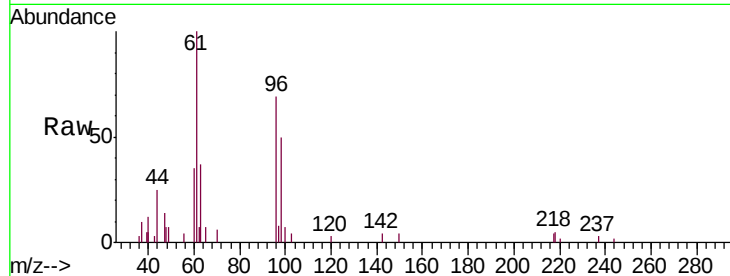


#31

cis-1,2-Dichloroethene
 Concen: 0.073 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

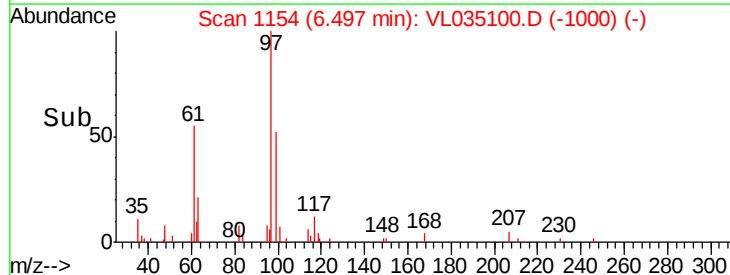
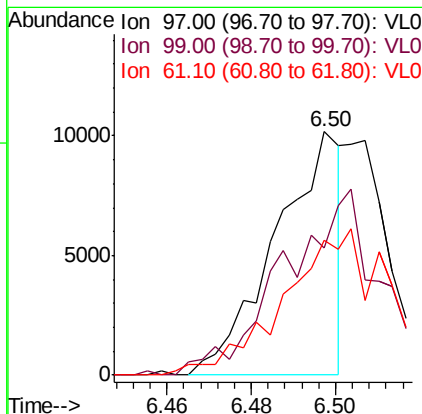
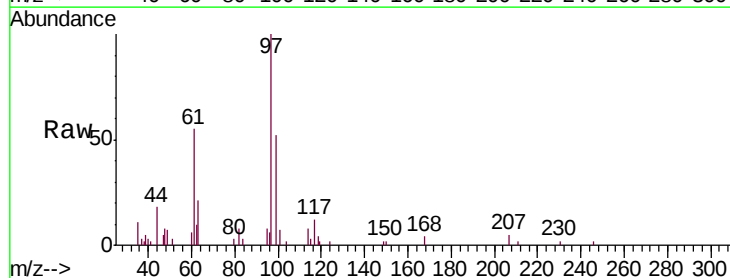
Tgt Ion:	61	Resp:	9095
Ion	Ratio	Lower	Upper
61	100		
96	53.9	48.8	73.2
98	53.3	31.9	47.9#

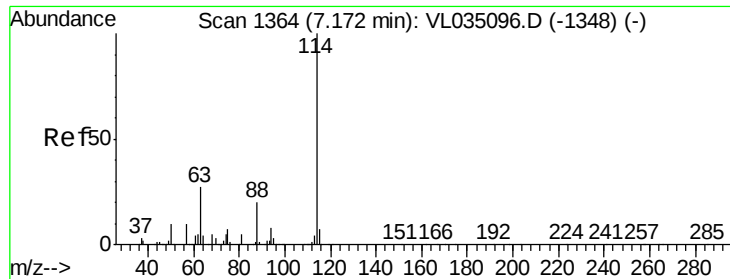


#32

1,1,1-Trichloroethane
 Concen: 0.058 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion:	97	Resp:	10930
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	0.0	41.0	61.6#

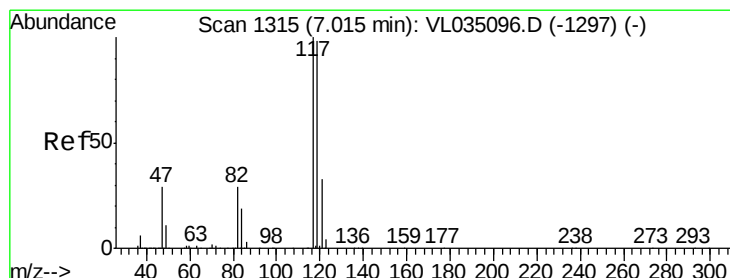
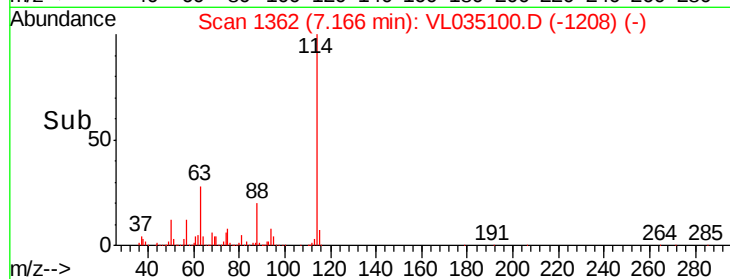
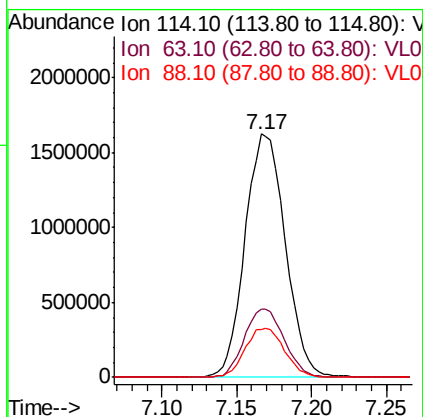
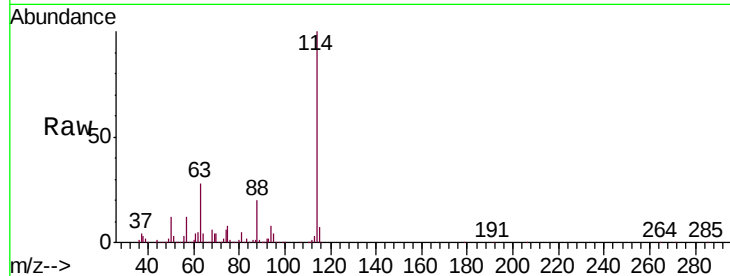




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

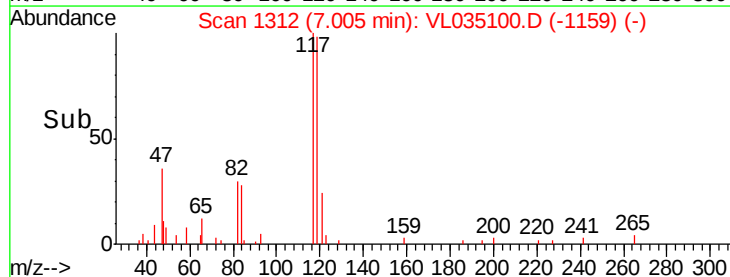
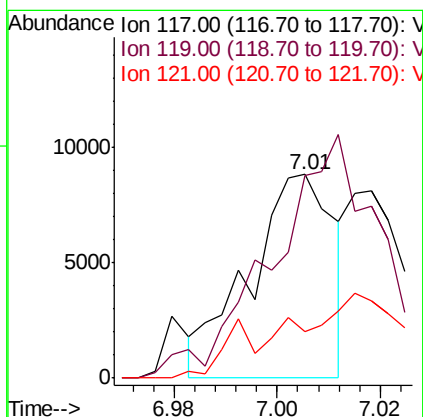
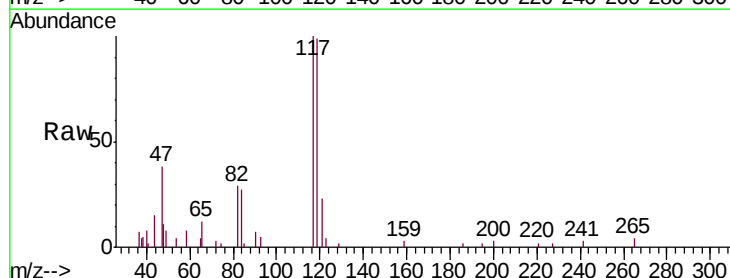
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

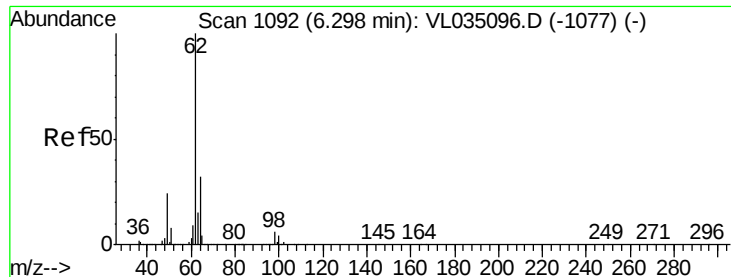
Tgt Ion:114 Resp: 3041578
 Ion Ratio Lower Upper
 114 100
 63 28.0 21.9 32.9
 88 19.9 15.6 23.4



#35
 Carbon Tetrachloride
 Concen: 0.052 ppbv
 RT: 7.01 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion:117 Resp: 10025
 Ion Ratio Lower Upper
 117 100
 119 107.3 78.3 117.5
 121 24.6 26.0 39.0#

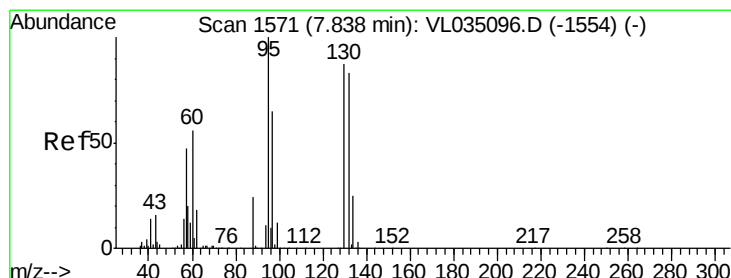
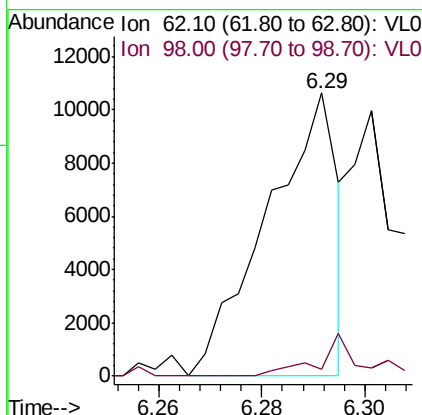
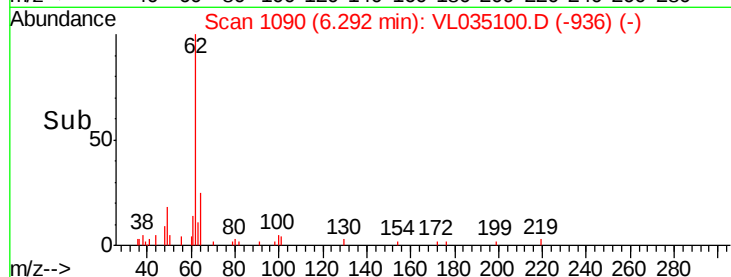
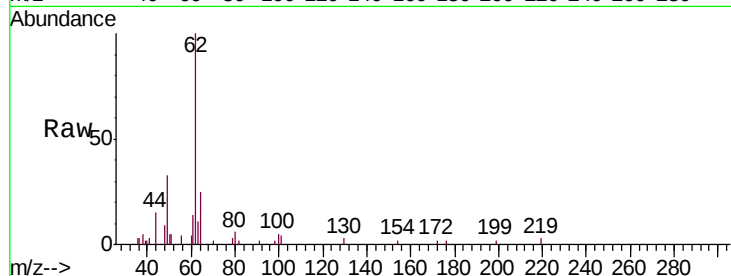




#37
 1,2-Dichloroethane
 Concen: 0.065 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

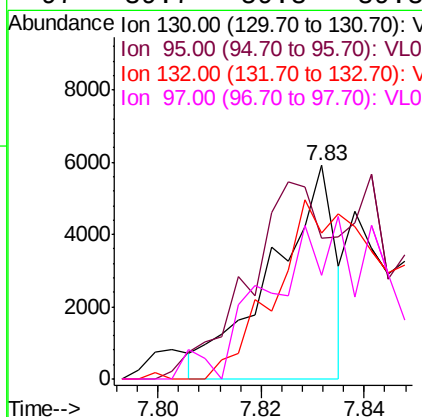
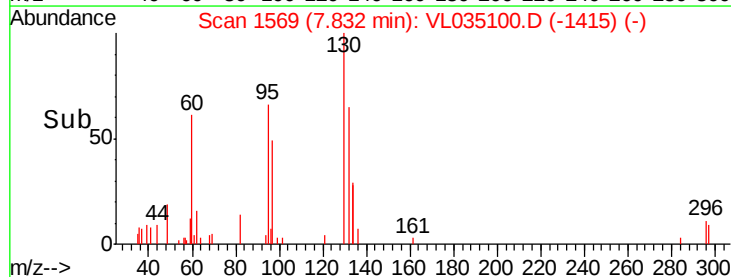
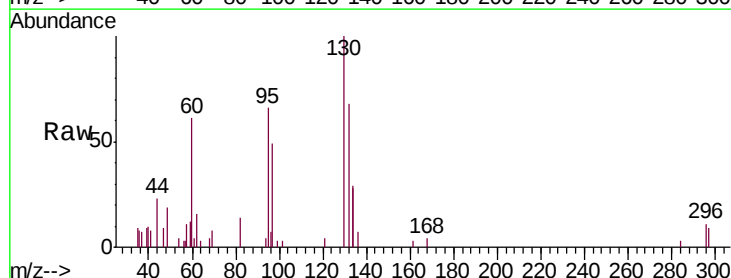
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

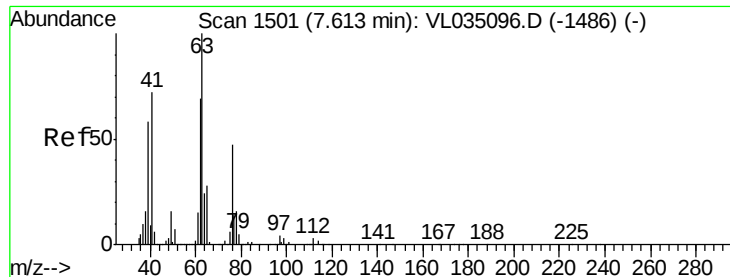
Tgt Ion: 62 Resp: 10049
 Ion Ratio Lower Upper
 62 100
 98 10.2 4.8 7.2#



#38
 Trichloroethene
 Concen: 0.051 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion: 130 Resp: 4964
 Ion Ratio Lower Upper
 130 100
 95 60.4 91.4 137.2#
 132 77.7 75.8 113.6
 97 39.7 59.8 89.8#





#39

1,2-Dichloropropane

Concen: 8.414 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

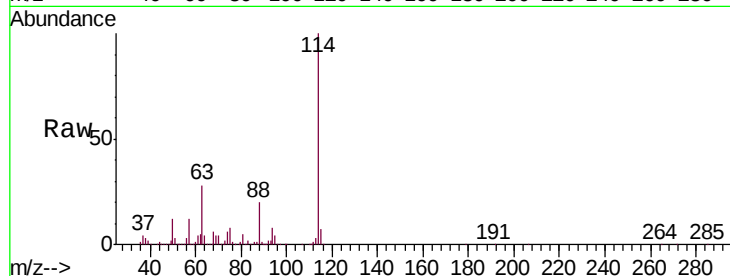
Tgt Ion: 63 Resp: 843789

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

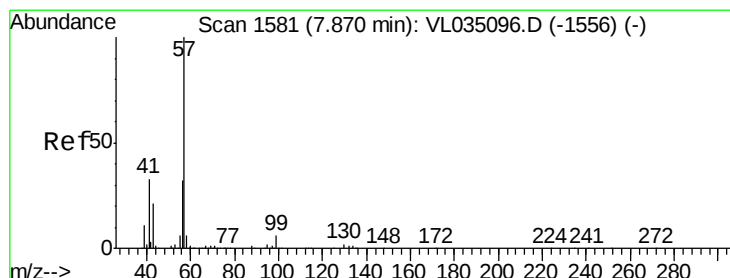
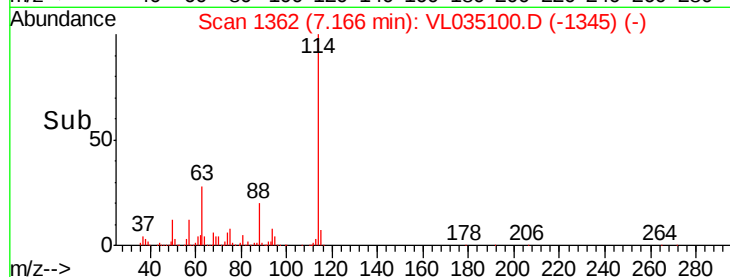
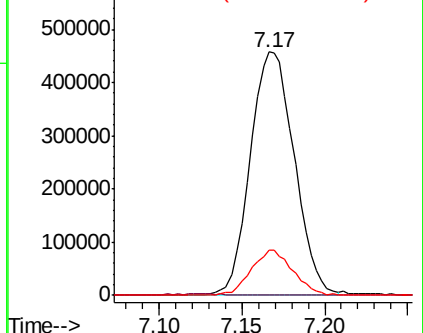
62 18.8 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.030 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

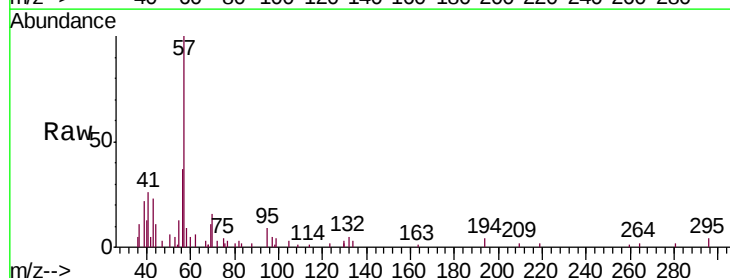
Tgt Ion: 57 Resp: 13455

Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.2#

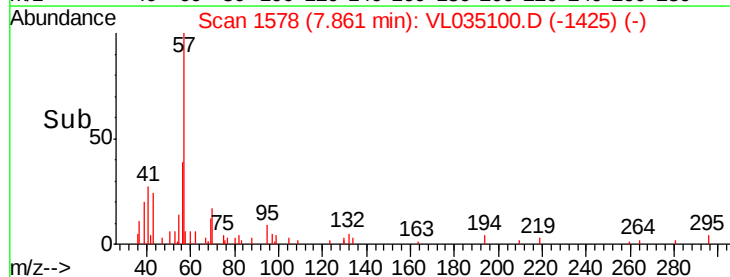
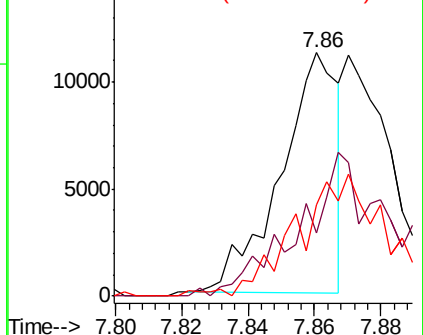
56 0.0 25.4 38.2#

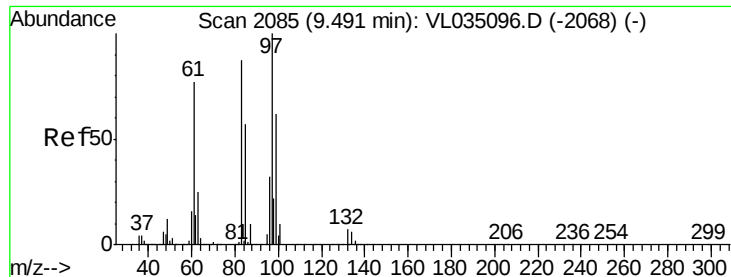


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

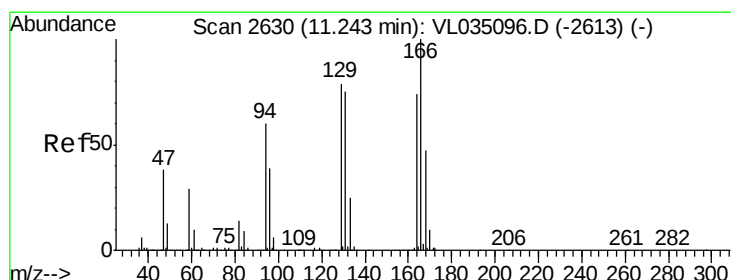
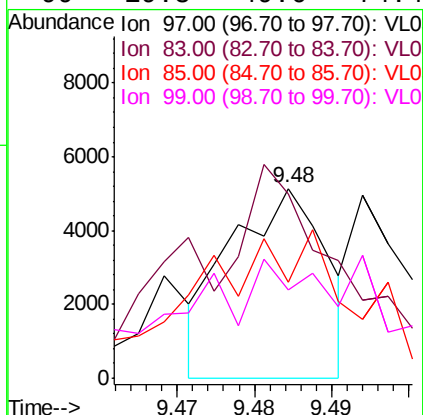
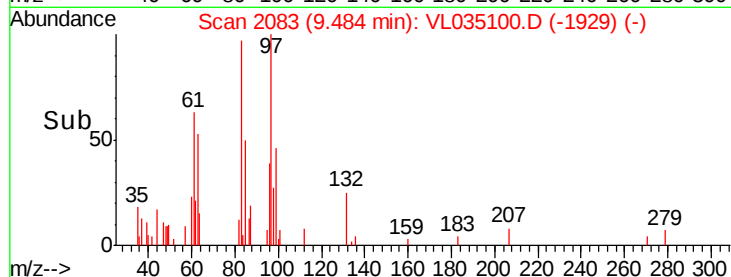
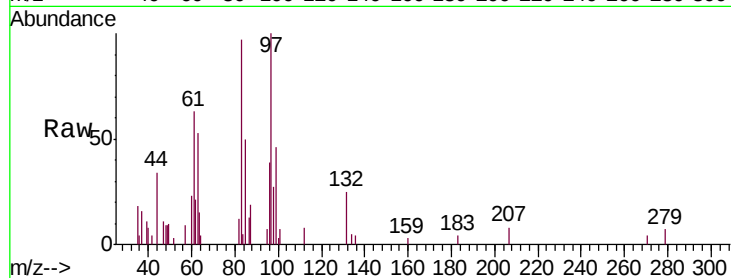




#47
 1,1,2-Trichloroethane
 Concen: 0.042 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

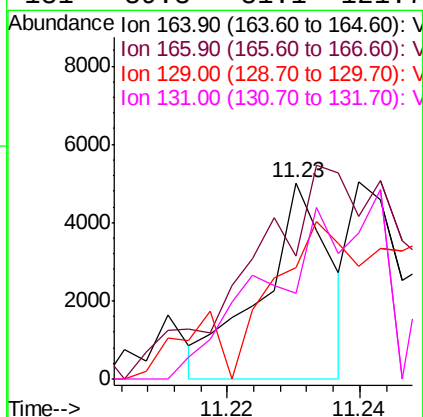
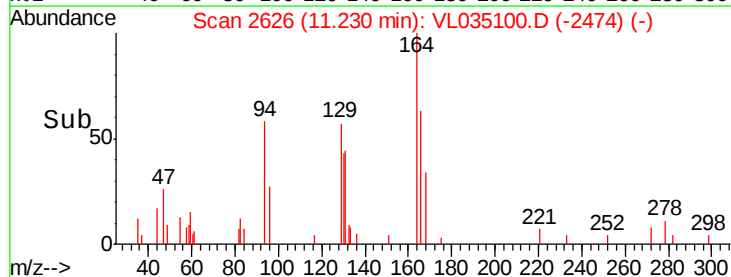
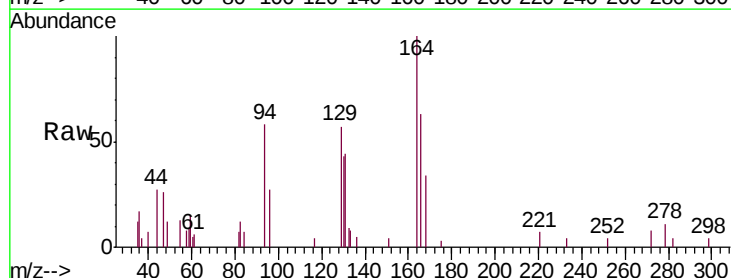
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

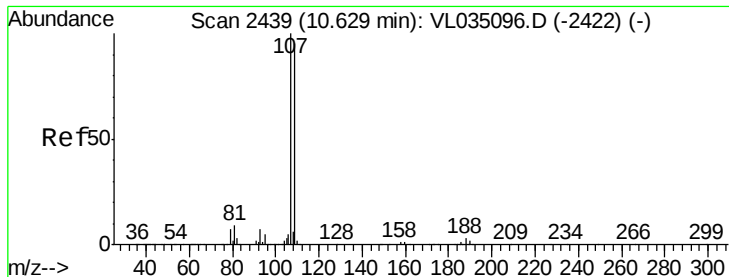
Tgt Ion: 97 Resp: 4458
 Ion Ratio Lower Upper
 97 100
 83 58.4 69.5 104.3#
 85 16.2 46.0 69.0#
 99 19.8 49.6 74.4#



#52
 Tetrachloroethene
 Concen: 0.040 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion: 164 Resp: 3548
 Ion Ratio Lower Upper
 164 100
 166 44.5 107.5 161.3#
 129 45.1 84.9 127.3#
 131 39.3 81.1 121.7#





#54

1,2-Dibromoethane

Concen: 0.032 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

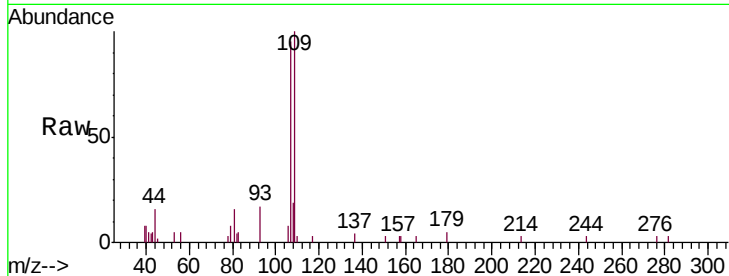
VSTDIC0.1

Tgt Ion:107 Resp: 4991

Ion Ratio Lower Upper

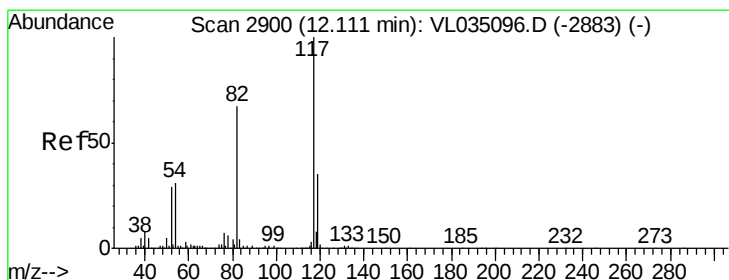
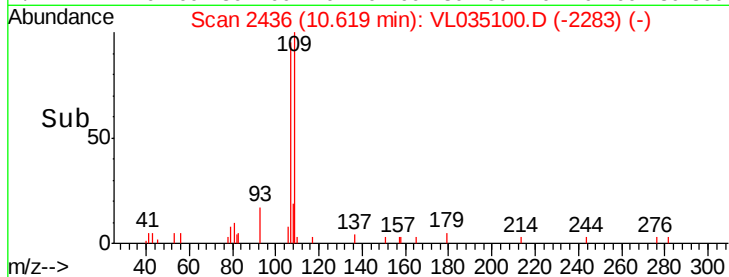
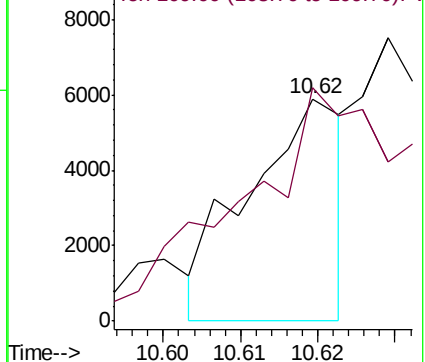
107 100

109 80.1 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

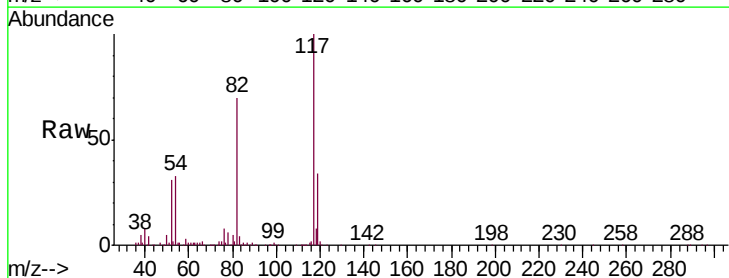
Tgt Ion:117 Resp: 2869149

Ion Ratio Lower Upper

117 100

82 69.9 50.4 75.6

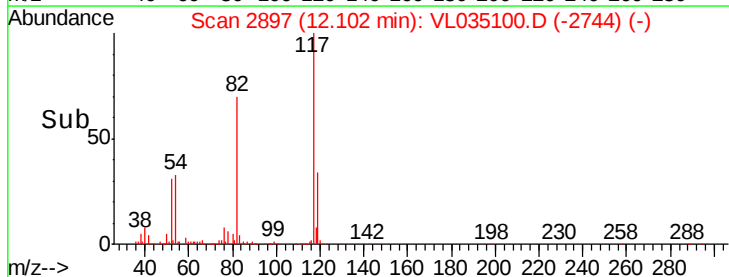
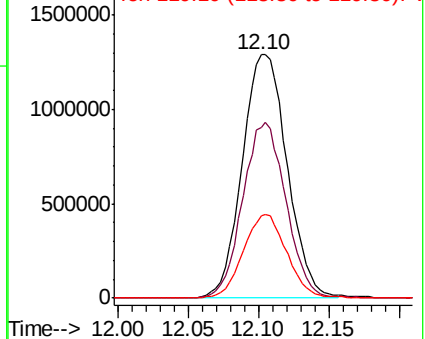
119 33.4 25.4 38.0

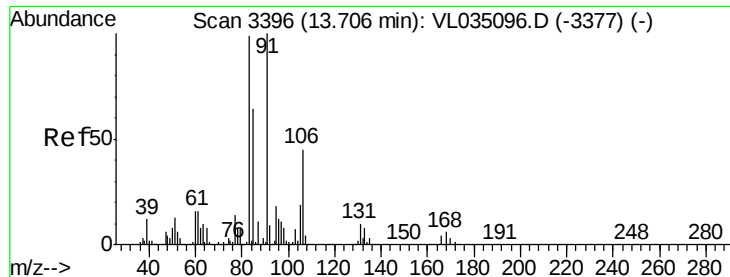


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

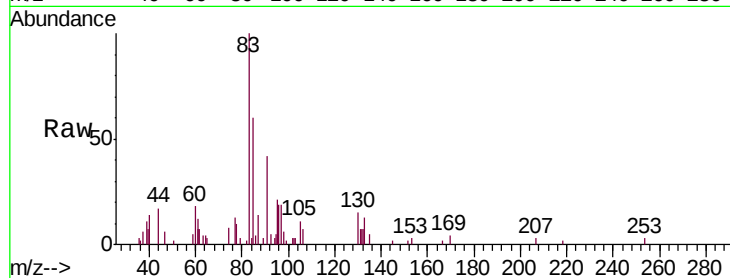
Tgt Ion: 83 Resp: 7652

Ion Ratio Lower Upper

83 100

131 36.7 4.7 14.0#

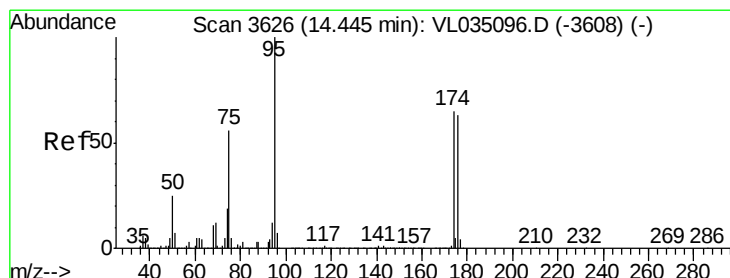
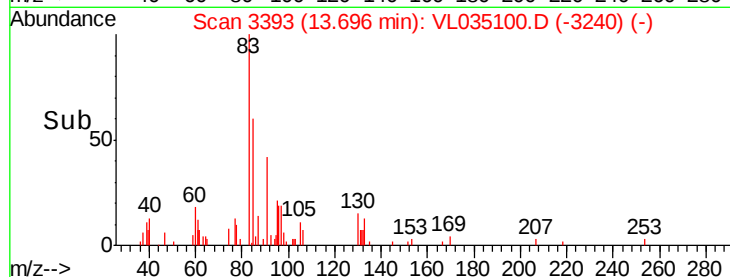
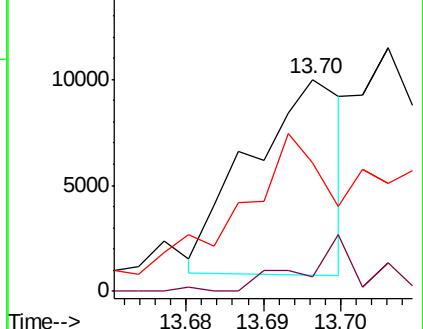
85 196.9 32.4 97.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.694 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

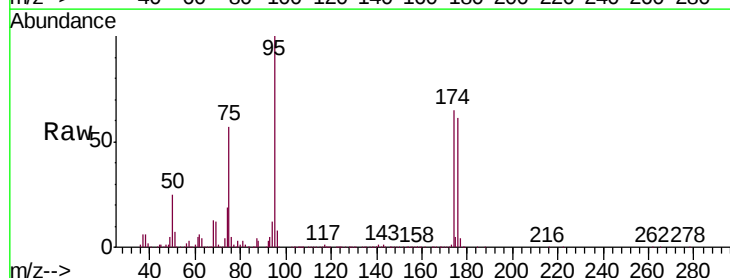
Tgt Ion: 95 Resp: 2473576

Ion Ratio Lower Upper

95 100

174 64.8 52.2 78.2

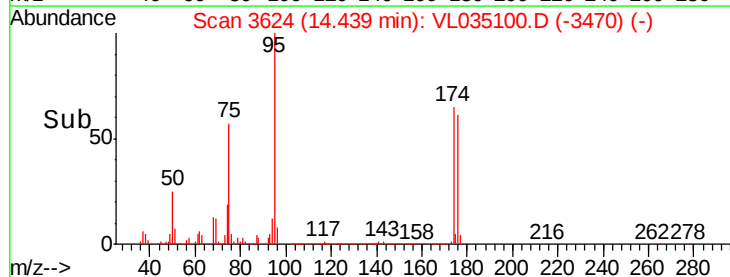
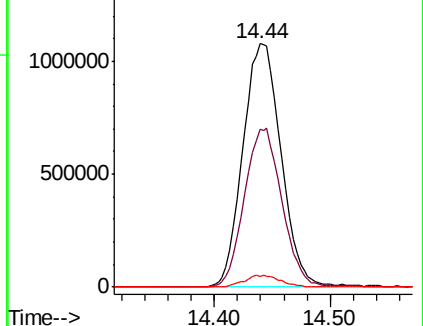
175 4.7 4.0 6.0

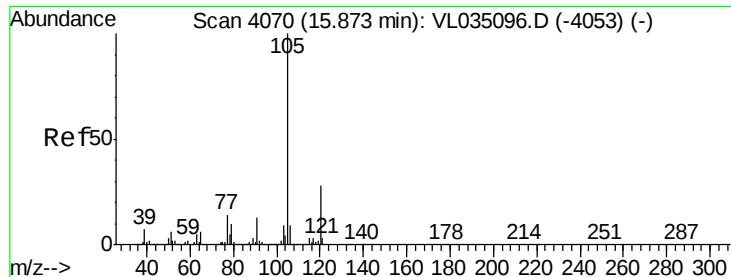


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.033 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

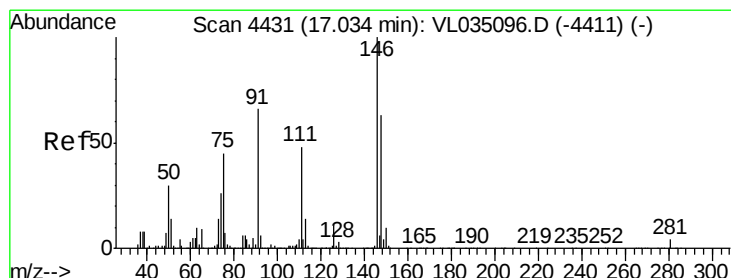
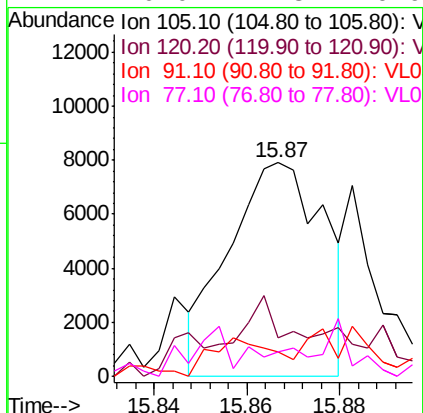
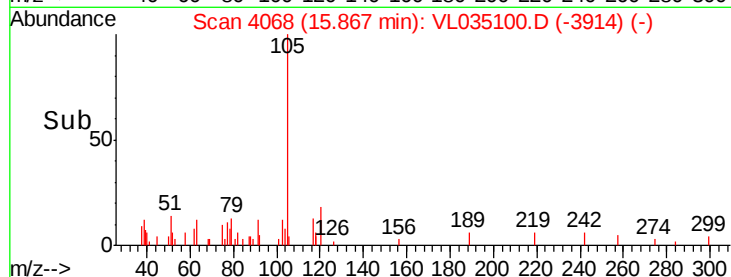
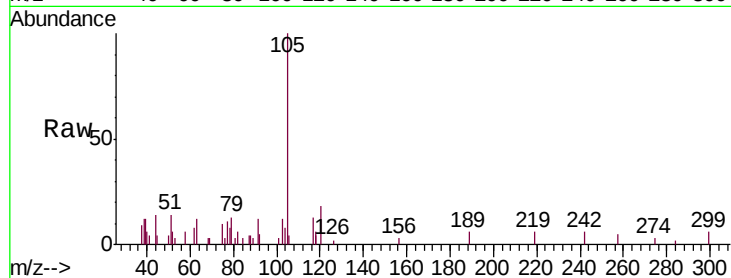
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:	105	Resp:	11322
Ion Ratio	Lower	Upper	
105	100		
120	44.6	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	11.3	16.9#



#75

1,3-Dichlorobenzene

Concen: 0.059 ppbv

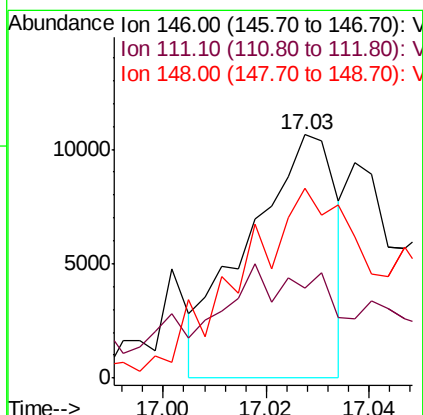
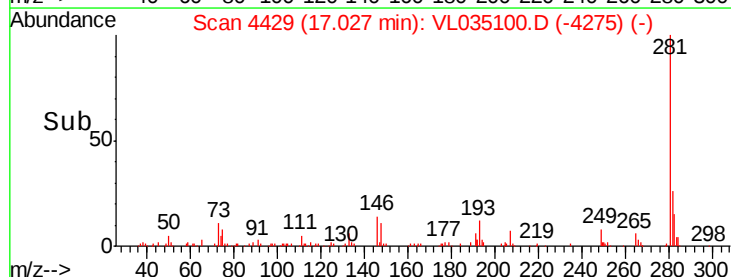
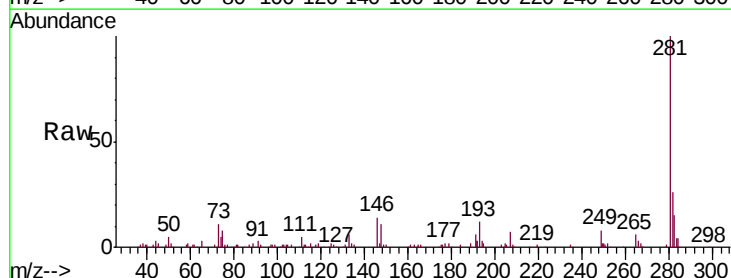
RT: 17.03 min Scan# 4429

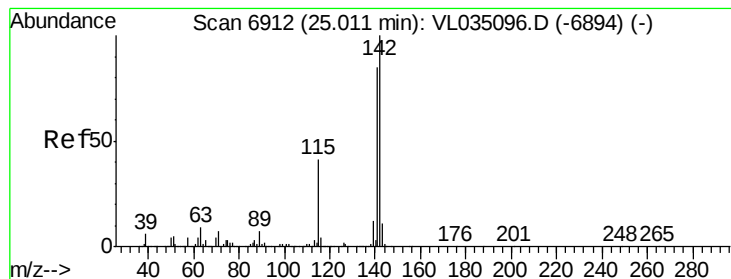
Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Tgt Ion:	146	Resp:	12596
Ion Ratio	Lower	Upper	
146	100		
111	111.5	24.1	72.4#
148	150.3	32.3	96.8#





#80
 Naphthalene, 2-methyl-
 Concen: 0.061 ppbv
 RT: 25.02 min Scan# 6914
 Delta R.T. 0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:142 Resp: 4280
 Ion Ratio Lower Upper
 142 100
 141 79.2 67.5 101.3
 115 56.6 33.8 50.8#

